

U.S. DEPARTMENT OF THE INTERIOR FISH AND WILDLIFE SERVICE Back Bay National Wildlife Refuge 4005 Sandpiper Road Virginia Beach, VA 23456 March 17, 1999



NESTING LOGGERHEAD SEA TURTLE ACTIVITY REPORT 1998

Prepared by Refuge Biologist John Gallegos & Biological Technician Lars Johnson (1-757-721-2412)

Prepared for Department of the Army U.S. Army Corps of Engineers Norfolk, VA

TABLE OF CONTENTS

| ABSTRACT | 1 |
|---|----|
| INTRODUCTION | 1 |
| MATERIALS AND METHODS | 2 |
| RESULTS AND DISCUSSION | 7 |
| A. Area coverage | |
| B. Nesting activities | 7 |
| C. Hatch results | 9 |
| D. Capture results | 12 |
| E. Stranding results | 14 |
| CONCLUSIONS | 15 |
| LITERATURE CITED | 16 |
| APPENDIX 1 Sea Turtle Nest Relocation Data Sheets | |
| ADDENDIY 2 See Turtle Stranding Report Form | |

NESTING LOGGERHEAD SEA TURTLE ACTIVITY AT THE BACK BAY NATIONAL WILDLIFE REFUGE - 1998

ABSTRACT

This paper presents results from the sixth annual study of nesting along the Atlantic Oceanfront by the loggerhead sea turtle (*Caretta caretta*) in Virginia Beach, Virginia during 1998. All surveys were carried out by staff of the Back Bay National Wildlife Refuge, Virginia Beach, Virginia, throughout the sea turtle nesting season. Two seasonal, full-time biological technicians were hired through funding support from the U.S. Army Corps of Engineers, Norfolk, Virginia, to search twenty-five miles of beach along the northern periphery of the nesting range of the Loggerhead. Refuge biologists investigated two nesting attempts during 1998. Of the two nesting attempts, both were functional nests. No false crawls were located during 1998. Both nests were located on Back Bay National Wildlife Refuge. No nests were located along the oceanfront of the Virginia Beach Resort area, south of Fort Story, this year. No nesting loggerhead sea turtles were captured by Refuge personnel, since the Virginia Institute of Marine Science had to return a defective transmitter during the best turtle capture period (late July-early August). Night-time patrols were carried out by numerous volunteers and Refuge personnel during August 9-13, however, no sea turtle was located.

I. INTRODUCTION

The Atlantic leatherback, the Atlantic loggerhead, the Atlantic green, and the Kemp's ridley sea turtle are the four sea turtles regularly seen in Virginia waters (Keinath, Musick, and Byles 1987). All of these are listed as either threatened or endangered (50 CFR 1981). The loggerhead, (Caretta caretta) is the only recurrent sea turtle species nesting on beaches of the Atlantic Oceanfront of Virginia Beach. Pollution, exploitation, poor fishing practices and habitat modification have aided in the loggerhead's decline. Since sea turtles come ashore only to lay eggs (Dodd 1988), nesting provides a rare opportunity to learn about them.

The twenty-five miles of beach regularly searched for loggerhead sea turtle use this year, occur along the northern extent of the established nesting range for this species in the United States. Loggerhead activity often occurs during the summer in and around the Chesapeake Bay. The Chesapeake serves as a developmental feeding area for immature loggerheads (Lutcavage and Musick 1985; Keinath, Musick and Barnard 1989).

Loggerhead females generally nest on a 2 to 4 year cycle, and lay from one to six nests a season (Ehrhart 1979; Dodd 1988). The internesting interval varies from 12 to 16 days, with an average of 14 days (Frazer 1984; Dodd 1988). Sea turtles generally return to the same area to lay successive clutches of eggs, usually within a 5 km radius of the first nest (Dodd 1988).

For the last six years, personnel of the Back Bay National Wildlife Refuge have been patrolling the Virginia Beach Resort oceanfront in search of loggerhead sea turtle nests. This has been made possible by funding provided to the Refuge by the U.S. Army Corps of Engineers, in conjunction with their study of beach replenishment impacts to nesting sea turtles. During the summer of 1993, the first cooperative agreement was established between the Corps and the Refuge. Through this agreement, the Corps also provided funding to the Refuge, to determine the extent of nesting sea turtle use along the Virginia Beach oceanfront. The Refuge then hired and trained seasonal biological technicians to patrol this oceanfront and detect sea turtle crawls and any other nesting signs. Because the loggerhead is a federally listed Threatened species, research on, and management of, its nesting activities has been conducted at the Refuge since 1970. The U.S. Fish and Wildlife Service employs protective measures and also funds research projects that aid in the conservation of this federally threatened species, often in partnership with other federal and state agencies.

During 1998, the Corps provided the Refuge with \$18,500 for the nesting sea turtle study. Thirty-eight percent of the funding was absorbed by the Denver Finance Center, for administrative costs; while the remaining 62% was dedicated to the purchase of a new Suzuki, 4-wheel-drive, all-terrain-vehicle (ATV), and the salaries of the two seasonal biological technicians hired to patrol the oceanfronts. Additional miscellaneous equipment and materials costs, all-terrain-vehicle repairs and maintenance, gas and oil, and additional support staff for turtle patrols were absorbed by the Refuge budget.

II. MATERIALS AND METHODS

Seasonal biological technicians and permanent Refuge staff logged well over 700 hours managing and collecting information on sea turtle nesting for the 1998 sea turtle nesting season. As during past years, Refuge personnel conducted sea turtle crawl surveys, via all-terrainvehicles (ATVs) on five segments of oceanfront beach during 1998. Those beaches incuded (from north to south): (1) the Fort Story to Rudee Inlet area, including Croatan Beach (See Figure #1); (2) the Town of Sandbridge; (3) Little Island City Park; (4) Back Bay National Wildlife Refuge; and (5) False Cape State Park. All areas were patrolled on a daily basis, seven days a week. The Carova and Corolla oceanfronts in North Carolina were not patrolled this year; since Endangered Species Biologist Ruth Boettcher of the North Carolina Wildlife Resources Commission assumed responsibility for those areas during 1998. Mackay Island National Wildlife Refuge also provided assistance to Ruth in patrolling those North Carolina areas during 1998.

Surveys were conducted by ATV every morning before 0900 hours (May 19 through August 28). Patrols along the Fort Story to Rudee Inlet and Croatan Beach were conducted every morning, starting at 0530 hours (June 1 through August 28), in order to search as much beach as possible before the City of Virginia Beach's "Beachscapers" smoothed the beaches. Patrols took place above the high tide line while traveling in one direction, and along the water's edge on the return trip.

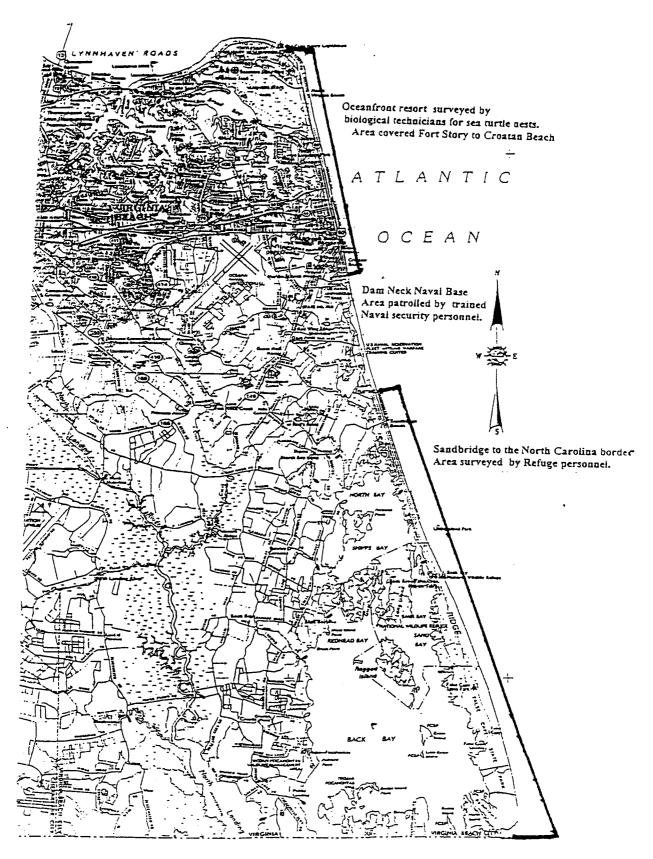
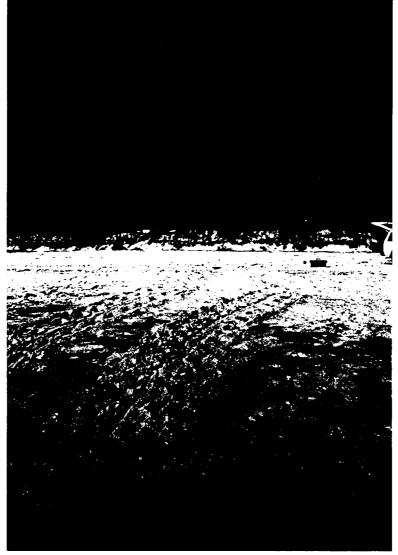


Figure 1. Virginia vicinity map showing beach segments surveyed from sea turtle nesting activity in 1998.



Loggerhead sea turtle crawl located 3/4 mile north of Back Bay's beach access ramp. First sea turtle crawl of 1998.

All sea turtle crawls were searched for nests. Metric tape was used to measure crawl widths at three points. An average of the three measurements represented the crawl width of the nesting female. Additional measurements of nest dimensions were also recorded. Afterwards, each nest was carefully excavated to find any eggs laid by the loggerhead. When eggs were discovered, they were carefully removed and transported to a protected hatchery site within the Back Bay National Wildlife Refuge. At the hatchery site, the eggs were transferred to a predator proof cage and reburied at the same depth as the original nest. Approximately two weeks prior to the expected hatch date, twice daily checks of the relocated nest were carried out, to detect hatchlings and minimize their time spent in the nest "cage." Hatchlings were released on the night of their emergence this year.

In addition to patrolling for turtle nests, Refuge personnel also collected data on sea turtle strandings in the surveyed area. Each stranding was measured and examined for trauma and cause of death. This data was sent to the Virginia Institute of Marine Science and the National Marine Fisheries Service. Copies of those reports are included in this Report as Appendix 2 (Ref. Section E of Results and Discussion).

III. RESULTS AND DISCUSSION

A. AREA COVERAGE

Over seven hundred hours of sea turtle patrol or sea turtle related hours were logged by trained Refuge personnel. Approximately, ten miles of oceanfront beach were covered from Fort Story to Croatan Beach; and fifteen miles from the Dam Neck Naval Facility border in Sandbridge, to the North Carolina border. The area covered along Sandbridge Beach varied with high tides, since the narrowness of the beach, bulkheads, beach erosion and high winds made portions of the beach inaccessible by ATV on nearly 50% of all patrol days prior to mid-July. On those occasions, Refuge staff would walk out to such areas from the parallel Sandfiddler Road and view most of the missed area through binoculars. Upon completion of the sand replenishment project on Sandbridge Beach in July, patrols were unimpededed over its full length.

Patrols of the Sandbridge-Back Bay Refuge-False Cape State Park oceanfront commenced on May 19th. The Fort Story to Rudee Inlet/Croatan Beach patrols commenced on June 1st. All patrols ended on August 28th. The possibility exists nests went undetected along the Fort Story-Croatan Beach segment; since beach cleaning and sandsweeping is conducted by the City daily, between 0230 to 0900 hours. The beach maintenance crew clears and grooms (smooths) the entire beach of debris and tracks, making crawl detection nearly impossible. Although, Refuge beach patrols start at 0530 hours, City workers often have portions of the beach already groomed by then. To deal with this conflict, Refuge biological staff continue to maintain contact with the City Maintenance Staff working the beach, and hand out information on sea turtle crawl recognition, nesting, and who to contact should they locate a crawl.

Night-time patrols were scheduled for July 29 - August 2, 1998; however, discovery by Soraya Bartol of VIMS, that the new turtle transmitter was defective caused a cancellation until the replacement transmitter could arrive. The transmitter arrived in time for the next, night-time patrol scheduled (after the second turtle nest) August 9-13. Unfortunately, no sea turtle returned for capturing and transmittering during those night-time patrols. Refuge staff remained informed about and involved with this effort, as it transpired. Normally, night-time turtle patrols occur 12 to 16 days after a nest is discovered, when the nesting turtle usually returns to nest a second or third time.

B. **NESTING ACTIVITIES**

From May to August 1998, surveys for nesting sea turtles were conducted on the aforementioned beaches. June to late August surveys of the Resort beaches yielded no sea turtle crawls/nests.

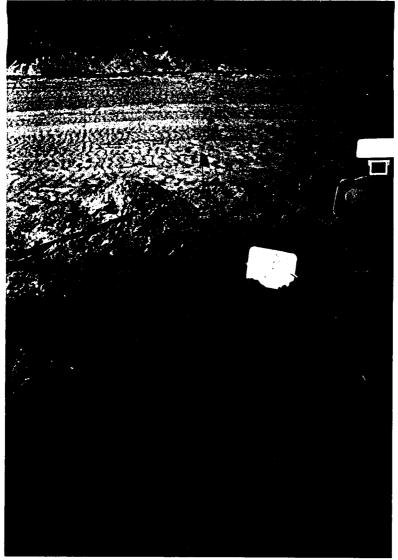
Nest #1 was discovered on July 20, 1998, by Refuge staff member, Sara Williams. Ninety-four eggs were excavated at 1010 hours, and removed from the nest cavity. Photographs were taken of the turtle crawl, nest site and eggs. Measurements of the crawl and nest cavity were also recorded.

The second nest was discovered ten days later. It could have come from the same female that produced Nest #1. At 1035 hours, 168 eggs had been excavated and removed from the cavity. Photographs were taken of the crawl, nest site and eggs. Measurements of the crawl and nest cavity were also recorded.

The excavated nests were carefully moved to a safer, "nursery" location within the Back Bay National Wildlife Refuge by Refuge biological staff, placed into predator-proof cages, and reburied.



Nest #1 discovered on July 20, 1998



Nest cavity at site #1 after excavation by Refuge personnel.



Turtle crawl #2 discovered approximately 1 mile north of False Cape State Park on Back Bay NWR by Refuge ATV patrol.



Nest #2 shown abutting the fore-dune.



Nest Relocation Data Reports are included as Appendix 1. Sea turtle nest fates for 1998 are summarized in the following table:

Table 1. 1998 CHRONOLOGY OF LOGGERHEAD SEA TURTLE NESTING

| NEST # | DATE OF NESTING | LOCATION CODE | NUMBER OF EGGS EXCAVATED | EXPECTED HATCH DATE | ACTUAL HATCH DATE |
|-----------|--------------------|------------------------|--------------------------------|------------------------|----------------------------|
| 1 | July 20, 1998 | Back Bay NWR | 94 | September 17, 1998 | Sept. 24 - Oct. 5, 1998 |
| 2 | July 30, 1998 | Back Bay NWR | 168 | September 27, 1998 | October 3 - 9, 1998 |
| | | Tl # of eggs excavated | 262 | | ; : |

C. HATCH RESULTS

Refuge personnel excavated two loggerhead sea turtle nests during 1998. Nest success is detailed in Table 2. A total of two hundred sixty-two loggerhead sea turtle eggs were excavated and reburied in the Refuge nursery by Refuge staff. Two hundred thirty-six loggerhead hatchlings were released into the Atlantic Ocean from the Refuge beach. Refuge staff released the first set of hatchlings from the first nest during the daylight hours of September 24 on an outgoing high tide. Two hatchlings were released to the Virginia Marine Science Museum (Kim Goldman) on September 24, 1998, for scientific observations detailing growth rate and for public education. The majority of the hatchlings from the second nest were released a few hours after dusk on October 3.

Table 3. Details an egg analysis for each nest during 1998. Soil and air temperatures were taken at the nursery site during the twice daily checks of each nest, 10-14 days prior to the expected hatch date. On average, the 1998 loggerhead nesting success rate was 90 percent. The percent of nesting success was calculated based on number of hatchlings successfully released.

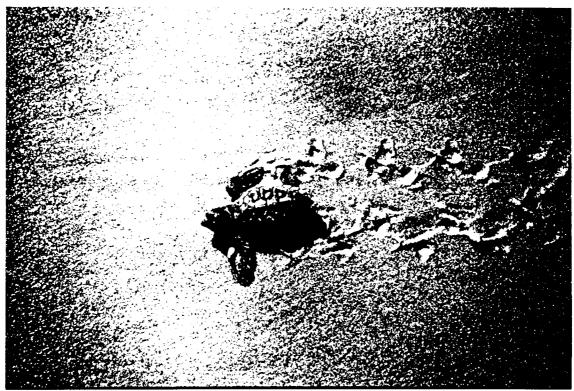
Nests were devoid of Red ant infestations this year. Future nursery sites will continue to be examined closely for red ant colonies, prior to nest relocation. Red ant colonies must be avoided.



Cages like this one, protect the eggs from predators.



Biological staff rebury the eggs to the same depth as the female loggerhead laid them.



A loggerhead sea turtle hatchling from nest # 1.



6 of the total 236 loggerhead hatchlings released during 1998 from the shoreline of Back Bay NWR into the Atlantic Ocean.

Table 2. 1998 Loggerhead Sea Turtle Nest Success Summary

| Nest # | # Eggs Laid | # Eggs Hatched | # Hatchlings Released | # Unhatched Eggs | # Dead Hatchlings | Nesting Success (%) | Comments |
|--------|----------------|-------------------|--------------------------|---------------------|----------------------|---------------------------|---|
| 1 | 94 | 83 | 79 | 11 | 0 | 88 | Virginia Marine Science Museum received four live hatchlings at the time of hatching for growth research and public education. All but one of the live hatchlings emerged on September 24; the last one emerged 11 days later on October 5. |
| 2 | 168 | 155 | 155 | 7 | *6 | 92 | Refuge personnel preserved one of the dead hatchlings for possible educational value in the Visitor Contact Station at Back Bay NWR. (*dead hatchlings were not counted as eggs hatched since they did not emerge from the nest) |
| Totals | 262 | 238 | 234 | 18 | *6 | | |

Table 3. 1998 Loggerhead Sea Turtle Egg Analysis Summary

| Nest # | # Eggs Laid | # Eggs Hatched. | # Eggs Infertile | # Eggs Predated | # Eggs Addled | # Dead Embryos | # Unhatched Reason Unknown | Comments |
|-----------|----------------|--------------------|---------------------|--------------------|------------------|-------------------|-------------------------------|--|
| 1 | 94 | 83 | 1 | 1 | 1 | 2 | 0 | 6 eggs unaccounted for. 1 dead hatchling found infested with worms. |
| 2 | 168 | 155 | 3 | 0 | 6 | 0 | 0 | 4 eggs unaccounted for. The nest contained 6 dead hatchlings; with one partially out of the shell. |
| Total | 262 | 238 | 4 | 1 | 7 | 2 | 0 | |

D. CAPTURE RESULTS

No nesting loggerhead sea turtles were captured by Refuge personnel, since the Virginia Institute of Marine Science had to return a defective transmitter during the best turtle capture period (late July-early August). Night-time patrols were carried out by numerous volunteers and Refuge personnel during August 9-13, however, no sea turtle was located.

E. STRANDING RESULTS

While patrolling for nesting sea turtles, Refuge personnel found many sea turtle strandings. All strandings this year were believed to be post-mortem. Strandings discovered were subjected to shell measurement, visible injury examination and spray-paint, to deter would-be shell thieves. Some turtle strandings were removed from the beach and buried on the Refuge. Strandings found in areas other than Back Bay NWR or False Cape State Park, were usually disposed of by the City of Virginia Beach Sanitation Department. From May 18 to December 16, forty two turtle strandings were discovered: 10 on Back Bay National Wildlife Refuge, 11 on False Cape State Park, 9 in the community of Sandbridge, and 12 on the Fort Story/Atlantic Oceanfront. Stranding result reports are provided to the National Marine Fisheries, the Virginia Institute of Marine Science, and the Virginia Marine Science Museum (Ref. Appendix 2).

IV. CONCLUSIONS

Virginia Beach, Virginia provides crucial nesting habitat along the northern edge of the loggerhead sea turtle nesting range. Open beaches represent the only habitat available to nesting females in this area. Annual data obtained from this study provide significant insights into the nesting sea turtle population in its northernmost range. The presence of two loggerhead turtle nests along the heavily used Virginia Beach Resort's oceanfront during 1996, emphasizes the importance of not "writing off" such public beaches by biologists. These areas should be monitored for nesting sea turtle use, if our threatened and endangered nesting sea turtle populations are to be managed seriously and efficiently.

In order to obtain a more inclusive sea turtle population estimate, Back Bay National Wildlife Refuge staff patrolled and surveyed public beaches not usually covered. They also provided training and/or information for Dam Neck Naval Base Security and Virginia Beach City "Beachscapers" personnel, in an effort to recruit additional monitoring support by those personnel most likely to encounter nesting sea turtles, and their crawls during very early morning hours. During the latter course of 1998, the Refuge purchased one new 4 wheel drive Suzuki ATV to replace an older, problematic ATV. The data gathered during the 1998 patrols provides information on the potential effects of beach replenishment projects on sea turtle nesting in this area, and how the current construction of the sea wall at the Virginia Beach Resort Oceanfront effects sea turtles nesting habitats.

Despite our inability to capture and place a transmitter on a sea turtle this year, we considered our work a success with two nests successfully relocated and successfully hatching out a high percentage of young loggerheads. This effort should continue to be supported by the Corps in the future. With out Corps funding support, this level of effort provided by Back Bay Refuge would not be possible.

IV. Literature Cited

- Barnard, D. E., J.A. Keinath, and J.A. Musick. 1989. <u>Distribution of Ridley, Green and Leatherback Turtles in Chesapeake Bay and Adjacent Waters.</u> In: Eckert, Eckert, and Richardson (compilers), Proceeding Ninth Annual Workshop on Sea Turtles Conservation and Biology. NOAA Tech. Mem. NMFS-SEFC-232. Miami, FL. 201-203.
- Dodd, K.C. 1988. Synopsis of the Biological Data on the Loggerhead Sea Turtle Caretta caretta, Linnaeus 1758.
- Ehrhart, L.M. 1979. <u>Analysis of Reproductive Characteristics of Caretta caretta in East-central Florida</u>. American Zoology 19:955.
- Frazer, N.B. 1984. <u>A Model for Assessing Mean Age-specific Fecundity in Sea Turtle Populations</u>. Herpetologica 40:281-291.
- Keinath, J.A., J.A. Musick, and R.A. Byles. 1987. <u>Aspects of the Biology of Virginia's Sea Turtles: 1979-1986</u>. Virginia Journal of Science 38(4):329-336.
- Lutcavage, M. and J.A. Musick. 1985 <u>Aspects of the Biology of the Sea Turtles of Virginia.</u> Copeia pp. 449-456.
- Musick, J.A. 1988. <u>The Sea Turtles of Virginia</u>. Virginia Institute of Marine Science, College of William and Mary.
- National Archives of the United States, Office of the Federal Register. <u>Code of Federal Regulations</u>: Wildlife and Fisheries. 1981. 50 CFR: parts 1 to 199.

APPENDIX 1

SEA TURTLE NEST RELOCATION DATA SHEETS

| Nest | - |
|--------|---|
| Crawl_ | |

DATA SHEET FOR CRAWLS & NEST RELOCATIONS

| I. General Information (weather, time, tide level, wind speed, location, etc.) |
|---|
| talling-almost |
| |
| General weather conditions (ie. % cloud cover, rainfall) 30% cloudy, kurid, hazy Wind speed & direction 10md, 5W Location of crawl (~, include markers) 500 ydc |
| South of Conwr of little Island border - BR NUR |
| Latitude of Crawl 75 °55 69W Longitude of Crawl 36°41 '09N |
| |
| II. Parties Involved |
| · Sara Williams, Jon Davis - Refige Volunteer |
| Lars Johnson - Bio Tech |
| III Data to b |
| III. Data to be collected for Each Set of Tracks |
| Crawl # (ie 1 2 3) 1 Time and 1 1 1 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| Crawl # (ie. 1,2, 3,) Time crawl detected 8: @amDate 7/20/98 Track measurements: (from where first visible near surf to nest site or end of crawl) |
| Length of incoming tracks (m) 14 m 70 Length of outgoing tracks (m) 15 m 20 cm. + 3 m 10 cm |
| |
| - The recording to 3 3 10 19 Thank It It is a few to state of the control of the |
| impressions alternate or opposite u_0 Were tracks prominent? u_0 |
| Distance nomicenter of disturbed nesting area to toe of dunes G too 100 coo |
| Topographical feature at end of tracks (CIRCLE area on diagram) |
| Was a nest found? WS false nest? NO false crawl only? NO |
| |
| 6 |
| berm 3 3 4 5 7 9 |
| 8 |
| 1-forebeach,2-backbeach,3-embryonic dunes,4-base of foredunes,5-upslope of 1st foredune, 6-top of 1st foredune,7-downslope of 1st foredune depression,9-upslope of 2nd foredune |
| The foredule in the foredule in the foredule depression, a supside of 2nd foredule |
| TV D |
| Original Nest Data: Stepan Original Nest Data: NEST CAVITY |
| Original Nest Data: 5 began lovely for het - excaverted at 100 de con |
| XI |
| |
| Width of disturbed nesting area 2 m 20 cm SURFACE |
| Length of disturbed nesting area $2 \text{ m} \text{ IV} \text{ m}$ |
| Nest cavity width at widest pt. 17 cm |
| Nest cavity length at longest pt. 28 cm |
| lotal # eggs |
| #damaged eggs bottom nest bottom nest |
| # broken or predated eggs O |
| Temperature of soil in nest cavity |
| Notes: Thermometer is broken and a like and whale Harry |
| Notes: Thermometer is broken-either battery or whole therm. |

| | DATE CITIES NO TO THE OWNER OF THE PARTY OF | |
|--|---|--|
| Tin Ter Air Est Tried V. I V. I Hat Turn Hato Incu | Data to be Collected on Hatchlings tch: tle nest #(ie. 1,2, 3,) Time hatch deter the Period 7-20-98 to 9/24/98 The batch line is the period (days) 67 | NEST CAVITY bottom - 6° SURFACE top nest depth 40 /m 45 bottom nest 55 cm depth |
| Loca Latit | ation of Nursery (estimate, include markers) ~ 2Mi, tude of NurseryLongitude of Nursery | so, of BB beach access RAMA |
| NOTE THE | hatched eggs# dead hatchlings hatched eggs hatched later at Visitor's Center ge location of dead hatchlings (if not disposed of) Ru | I (estably warns) refect in Lane Yard. |
| VI. A | Additonal Comments and Observations (diagram of attach photos or slides and brief narrative for each n | tracks and nest, opinions, etc.) nest/ hatch. |

| | _ | | , | | | | / | 1 a deformed 119 |
|------|----------------------------------|--------------------|---|-------------------------------|---------------------------------|--------------------------------|-------------------------|--|
| Date | Time Hatchlings discovered | # of Hatchlings | AirTemp/ Soil Temp | Weather Conditions | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings | Weather Conditions and Type of Tide (incoming or outgoing) |
| 9/24 | 8:30 AM | 82 | 10 F | Sunny/clades Winds 10-125E | 10:30án | 80 | 1 define flippe | high tide toutgons |
| 19/5 | 8 AM | 1 | | Surny | 815AM | 1 | heall | Low |
| | | | | | | | 0 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | 2 | • | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | • |
| | | | | | | | | ١٠ |
| | | | | · | | | | |
| | | | | | | | · | |
| | al # of chlings | 83 | | Total # Hatchlings R | | 8/* | | 1 2014 |

Maria Park van MurfuM.

| DATA | SHEET | FOR | NEST | RELOCATION | (cont.) |
|------|-------|-----|------|------------|---------|
|------|-------|-----|------|------------|---------|

| CAWL#I - NEYI TIL | | • |
|---|----------------------------|------------|
| Relocated Nest Data: Time nest reburied 12-25 until | NEST CAVITY SURFACE | originalne |
| Temperature of soil in nest cavity | 35/4 202 | |
| Air temperature (C) 32.5°C 27.9 | top nest depth 35 cm | 31 |
| Estimated hatch date 9/87/98 | | |
| | | |
| | 67 | , ,- |
| 77 D | bottom nest depth depth | <u>(65</u> |
| V. Data to be Collected on Hatchlings | | (31) |
| Hatch: | 22121 | |
| Turtle nest #(ie. 1,2, 3,) Time hatch detect | ted | |
| Hatch Period Not known | Estimated hatch date 10/31 | <u>12</u> |
| Incubation period (days) 74 | | |
| Total # hatchlings counted 155 (See table below i | f hatch is extended.) | |
| Location of Nursery (action to 1) | 1 1 2 35 5 12 | 0 |
| Latitude of NurseryLongitude of NurseryLongitude of Nursery | south of E.E. Clarke | |
| Longitude of NurseryLongitude of Nursery | | <i>y</i> * |
| Date of relocated nest's excavation | | |
| #unhatched eggs # dead hatchlings | | |
| # unhatched eggs hatched later at Visitor's Center | | |
| storage location of dead hatchlings (if not disposed of) | | |
| of dead naternings (if not disposed of) | | |
| VI Additoral C | | |

VI. Additional Comments and Observations (diagram of tracks and nest, opinions, etc.) Attach photos or slides and brief narrative for each nest/ hatch.

| Date | Time Hatchlings discovered | # of Hatchlings | AirTemp/ Soil Temp | Weather Conditions | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings | Weather Conditions and Type of Tide (incoming or outgoing) | |
|------|----------------------------------|--------------------|-----------------------|-------------------------|---------------------------------|--------------------------------|-------------------------|--|------------------|
| 10/3 | 23:30 | 152 | 18.8°C | Portly Cloudy | 00:20 | 152 | Good, Ail | 100 have 1000 = 014 | come delle delle |
| 10/4 | | 1 | | | | 1 | Consider in | n | , , |
| 10/9 | 12:00 | 2 | | Cloudy/windy | | 2 | | | |
| | | | | | | -2- | | | |
| | | | | | | ş · | | | |
| | | | | | | | · | | |
| | | | | | | | | | |
| | | | | | | •• | | | |
| | | | | | | | | | • |
| | | | | | | | | , - | |
| | ·• | | | | | 7 | | • | |
| | | | | | | | | | • |
| | al # of chlings | 155 | | Total # Hatchlings R | | 155 | | | |

155 hatched of 168 4id = 92%

| Nest | ڪ ڪ |
|-------|----------------|
| Crawl | $\vec{\alpha}$ |

DATA SHEET FOR CRAWLS & NEST RELOCATIONS .

| I. General Information (weather, time, tide level, wind speed, location, etc.) |
|---|
| Date 7/36 98 Tide height au-rising Estimated air temperature B6°F General weather conditions (ie. % cloud cover, rainfall) Sunny, MZY, Clarry Wind speed & directionsw 3 mp Location of crawl (~ include markers) VCST NOW Latitude of Crawl 5°53.66 Longitude of Crawl 36°38.31 N |
| II. Parties Involved Sara Williams Christopher Wicker, Paul Caldwell, John Gallegos, and Daffny Jones |
| III. Data to be collected for Each Set of Tracks |
| Crawl # (ie. 1,2, 3,) Time crawl detected 8:30 PMDate 7/30 98 Track measurements: (from where first visible near surf to nest site or end of crawl) Ength of incoming tracks (m) 3 m 10 m Length of outgoing tracks (m) 23 m 45 cm Width of incoming tracks (cm) 5 Width of outgoing tracks (cm) 153 |
| Flipper impressions alternate or opposite at were tracks prominent? yes Distance from center of disturbed nesting area to toe of dunes NA Topographical feature at end of tracks (CIRCLE area on diagram) Was a nest found? Yes false nest? false crawl only? |
| water 1 1-forebeach,2-backbeach,3-embryonic dunes,4-base of foredunes,5-upslope of 1st foredune, 6-top of 1st foredune,7-downslope of 1st foredune,8-foredune depression,9-upslope of 2nd foredune |
| IV. Data to be collected for Each Nest (measurements of nest, egg #, etc.) Found Nest Of 10:50 NEST CAVITY |
| Nest # (ie. 1, 2, 3,) Crawl# Time nest excavated 10.35 until 11.35 Width of disturbed nesting area 190 cm Length of disturbed nesting area 310 cm |
| Nest cavity width at widest pt. 31 cm Nest cavity length at longest pt. 37 cm Total # eggs 168 |
| #damaged eggs bottom nest |
| incoming crawl appears to have circled on foot of the dunes |

| umei | | | | | | | NEST C | A VITV | . " |
|--|---------------------------------------|-------------------------|-----------------------|---|--|--------------------------------|-----------------------------------|---|-------------|
| Tames | nest rebu | nied <u>19</u> | -25 unti | 1_1.60 | | | | FACE | origina |
| Air ten | erature o nperatur | I soil in n | est cavity | | OB COMPANY | S — | 3314 | 200 | - |
| Estima | ited hatc | h data | 32.50 | | 27.9 | top | rest depth្ឋ | <u>√35 cm</u> | 31 |
| | nate | II date | 127/9 | 8 | | | <i>4</i> | | |
| | | | | | | | | | |
| | | | | | | bott | tom nest | 89 62 cm | 65 |
| V. Data | a to be (| Collected | on Hatch | lings | | | dept | h 05 | |
| maicn: | | | | 8- | | | | , | (34) |
| l urtle r | nest #(ie | . 1,2, 3, | | Tim | e hatch det | tected | 23:30 | Ohao | • |
| | eriod_ | | Marrin | | | | ated hatch | | > |
| Total # | hatchlin | od (days)_ gs counte | -74 | | | | | 15410 | _ |
| - 3 tag // | natemm | gs counte | مرحن | (See | table belov | v if hatch | is extended | i.) | |
| Location | n of Nur | serv (estir | nate incl | ıde markers | ٠, ٩ | | 1 1 1 | 0 1 1 | |
| Latitude | of Nurs | sery (open | mate, men | Longitude o | SENIORA SE | 50.0 | 1 8.8. | Beach & | MX |
| | | | | rongnude (| I Nursery_ | | <u></u> | • | <i>J</i> |
| PATE OF 1 | relocated | d nest's ex | cavation | 11/30 | 198 | | | | |
| #unhate | hed egg | s/ | (t2?) | # dead ha | tchlings | 6/10 | 14 : 11 | EMERGED & | |
| # unhate | ched egg | s hatched | AREI SE | isitor's Cen | ter Λ | TAT | BRIGHTY | en riched 2 | ean ess |
| storage le | ocation | of dead ha | atchlings (| if not dispos | sed of) | PAVED | 772A C | KALATANIO | 40/1 00 |
| 57 7 | | | | FOR U | URAF | Vac. | Apot L | CIALECTIO | aeu Oo v |
| | monal i | A 200 4 | | | | | | | |
| VI. Addi Attac | tonar C | omments | and Obs | ervations (d | diagram o | f tracks a | nd nest, o | pinions, etc.) | sant l' |
| VI. Addi Attac | ch photo | omments os or slide | and Obsess and bri | ervations (d ef narrativo | diagram o e for each | f tracks a nest/ hate | nd nest, of | pinions, etc.) | SONE Y |
| | | | s and bri | ervations (def narrative | diagram o | f tracks a nest/ hate | nd nest, o | pinions, etc.) | |
| Date H | Time atchlings | # of | AirTemp/ | Weather | Time of | # of | Status of | Weather Conditions | |
| Date H | Time | | s and bri | ei narrativo | e for each | nest/ hate | Status of Hatchlings | Weather Conditions and Type of Tide | |
| Date Ha | Time atchlings | # of Hatchlings | AirTemp/ Soil Temp | Weather | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings | Weather Conditions and Type of Tide | |
| Date Hadis | Time atchlings scovered | # of | AirTemp/ | Weather | Time of Hatchling Release | # of Hatchlings | Status of Hatchlings | Weather Conditions and Type of Tide | |
| Date H. di. | Time atchlings scovered | # of Hatchlings | AirTemp/ Soil Temp | Weather Conditions PARTLY (NOVING) | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings | Weather Conditions and Type of Tide (incoming or outgoing | |
| Date H. di. | Time atchlings scovered | # of Hatchlings | AirTemp/ Soil Temp | Weather Conditions PARTLY (NOVING) | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings | Weather Conditions and Type of Tide | |
| Date H. di: | Time atchlings scovered | # of Hatchlings | AirTemp/ Soil Temp | Weather Conditions PARTLY (NOVING) | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings | Weather Conditions and Type of Tide (incoming or outgoing | |
| Date H. di: | Time atchlings scovered | # of Hatchlings | AirTemp/ Soil Temp | Weather Conditions PARTLY (NOVING) | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings | Weather Conditions and Type of Tide (incoming or outgoing | |
| Date H. di: | Time atchlings scovered | # of Hatchlings | AirTemp/ Soil Temp | Weather Conditions PARTLY (NOVING) | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings | Weather Conditions and Type of Tide (incoming or outgoing | |
| Date H. di: | Time atchlings scovered | # of Hatchlings | AirTemp/ Soil Temp | Weather Conditions PARTLY (NOVING) | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings | Weather Conditions and Type of Tide (incoming or outgoing | |
| Date H. di: | Time atchlings scovered | # of Hatchlings | AirTemp/ Soil Temp | Weather Conditions PARTLY (NOVING) | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings | Weather Conditions and Type of Tide (incoming or outgoing | |
| Date H. di: | Time atchlings scovered | # of Hatchlings | AirTemp/ Soil Temp | Weather Conditions PARTLY (NOVING) | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings | Weather Conditions and Type of Tide (incoming or outgoing | |
| Date H. di: | Time atchlings scovered | # of Hatchlings | AirTemp/ Soil Temp | Weather Conditions PARTLY (NOVING) | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings | Weather Conditions and Type of Tide (incoming or outgoing | |
| Date H. di: | Time atchlings scovered | # of Hatchlings | AirTemp/ Soil Temp | Weather Conditions PARTLY (NOVING) | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings | Weather Conditions and Type of Tide (incoming or outgoing | |
| Date H. di: | Time atchlings scovered | # of Hatchlings | AirTemp/ Soil Temp | Weather Conditions PARTLY (NOVING) | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings | Weather Conditions and Type of Tide (incoming or outgoing | |
| Date H. di: | Time atchlings scovered | # of Hatchlings | AirTemp/ Soil Temp | Weather Conditions PARTLY (NOVING) | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings | Weather Conditions and Type of Tide (incoming or outgoing | |
| Date H. di: | Time atchlings scovered 330 has 00 N. | # of Hatchlings | AirTemp/ Soil Temp | Weather Conditions PARTLY CLOUBY CLOUBY CUINNY | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings | Weather Conditions and Type of Tide (incoming or outgoing | |
| Date H. di | Time atchlings scovered 330 hAs. | # of Hatchlings | AirTemp/ Soil Temp | Weather Conditions PARTLY CLOUBY CLOUBY CUINNY Total # | Time of Hatchling Release 0030 has /640 has | # of Hatchlings Released | Status of Hatchlings | Weather Conditions and Type of Tide (incoming or outgoing | |
| Date Hading Hatchlin Hatchl | Time atchlings scovered 330 hAs 00 N. | # of Hatchlings | AirTemp/ Soil Temp | Weather Conditions PANTLY CLOUNCY CLOUNCY Total # Hatchlings R | Time of Hatchling Release OOJO has /040 has /040 has of Released | # of Hatchlings Released | Status of Hatchlings EXCELLED ? | Weather Conditions and Type of Tide (incoming or outgoing | w sure |

APPENDIX 2

SEA TURTLE STRANDING REPORTS

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below, Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

| Observer's Full Name Lamar B. Gare | _Stranding Date <u>98 - 12 - 16</u> |
|---|---|
| Address / Affiliation Back Bay National Wildlife Refuge, 4005 San | |
| Area Code / Phone Number | |
| Species Laggerhead Turtle Number B | y Day |
| Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species V | erified by State Coordinator? Yes 🗆 No 🗓 |
| Sex: (CIRCLE) Female Male Undetermined How was sex de | |
| State Virginia County Virginia B | each |
| Location (be specific and include closest town) Sandbridge | |
| 10 miles south of Back Bay NWR entrane | e gate on the beach |
| LatitudeLongitude | |
| Condition of Turtle (use codes) Final Disposition of Tur | tle (use codes) |
| Tag Number(s) (include tag return address and disposition of tag) | |
| | |
| Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, papillomas, epizoa, etc.) continue on back if necessary Left eye appeared swallen out of the skull. No to decomposition or not. | |
| MEASUREMENTS: CIRCLE UNITS | CODES: 7 SPECIES: |
| Straight Length cm/in | CC = Loggerhead CM = Green == |
| Straight Width cm/in | DC = Leatherback |
| Curved Length 65 m/in Nuchal Natch | LK = Kemp's ridley UN = Unidentified |
| -Curved Width 63 min | CONDITION OF TURTLE: |
| | 1 = Fresh dead 2 = Moderately decomposed |
| Mark wounds, | 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only |
| abnormalities, and tag locations | FINAL DISPOSITION OF TURTLE: |
| | 1 = Painted, left on beach 2 = Buried: on beach / off beach |
| | 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune |
| Posterior Marginal Tip | 5 = Unpainted, left on beach 6 = Alive, released |

7 = Alive, taken to a holding facility

| give a specific location description | 98 12 1/4 |
|---|--|
| Observer's Full Name Lamar Core | Stranding Date 98 - 12 - 14 |
| Back Bay National Wildli | fe Refuge, 4005 Sandpiper Rd, VA. Beach, VA. 23456 |
| rea Code / Phone Number | |
| Area Code / Phone Number | Turtle Number By Day |
| | The second secon |
| Reliability of I.D.: (CIRCLE) Unsure Probable | |
| Sex: (CIRCLE) Female Male Undetermined | How was sex determined? |
| State Virginia County | Virginia Lecen |
| in the distriction desert town) Sag | dridge In Day 12 Day 10 100 |
| 34 mile North of Refuge Beach | Ramp |
| Latitude | _ Longitude |
| Latitude | _ Longitude |
| Condition of Turtle (use codes) | _ rindi bisposinon o |
| Tag Number(s) (include tag return address and dispo | sition of tag) |
| · - | |
| _ | - |
| | CODES: |
| MEASUREMENTS: CIRCLE UNITS | SPECIES: CC = Loggerhead |
| Straight Length cm/in | CM = Green |
| Straight tengin | DC = Leatherback EI = Hawksbill |
| Straight Width cm/in | Nuchal LK = Kemp's ridley UN = Unidentified |
| Curved Length 57.0 @m/in | Notch CONDITION OF TURTLE: |
| Curved Width 56.0 cm/in | - 0 = Alive |
| | 1 = Fresh dead 2 = Moderately decomposed |
| 1 / | 3 = Severely decomposed |
| | 4 = Dried carcass 5_= Skeleton, bones only |
| Mark wounds, abnormalities, | FINAL DISPOSITION OF TURTLE: |
| and tag locations | 1 = Painted left on beach |
| - M | 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / par |
| | 4 = Pulled up on beach or dune 5 = Unpainted, left on beach |
| Posterior | A = Alive released |
| Marginal Tip | 7 = Alive, taken to a holding facili |

| Observer's Full Name LARS JOHNSON | _Stranding Date |
|---|--|
| Back Bay National Wildlife Refuge Address / Affiliation Plum Tree Island National Wildlife Refuge | , Monini Gay |
| Area Code / Phone Number 4005 Sandpiper Road Virginia Beach, VA 23456 7 | 57-721-2412 |
| Species CM Green Turlly Turtle Number B | By Day/ |
| B. C. Like Alin Annual Company | erified by State Coordinator? Yes□ No- |
| Sex: (CIRCLE) Female Male Undetermined How was sex de | termined? |
| State VA County Virginia Location (be specific and include closest town) Sandbridge 2 Mil Watronal Wildlife Rifuge Bords | Beach Cit Photos |
| Location (be specific and include closest town) Sandbridge 2 Mi | les Work of Back Boy |
| National Wildlife Riphya Bords | 0 |
| LatitudeLongitude | |
| Condition of Turtle (use codes) Final Disposition of Tur | tle (use codes) 3 All |
| Tag Number(s) (include tag return address and disposition of tag) | Visible |
| | |
| Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, papillomas, epizoa, etc.) continue on back if necessary No obvious signs of him . Stig the screen beginning to take off | |
| MEASUREMENTS: CIRCLE UNITS | CODES: SPECIES: |
| Straight Length cm/in | CC = Loggerhead |
| | CM = Green DC = Leatherback |
| | EI = Hawksbill LK = Kemp's ridley |
| Corved Lerigin cm/in Notch | UN = Unidentified |
| Curved Width 29-6 cm/in Mark wounds, abnormalities, | CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only |
| Posterior Marginal Tip | FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune 5 = Unpainted, left on beach 6 = Alive, released |

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

| Observer's Full Name LARS JOHNSON | Stranding Date |
|---|--|
| Address / Affiliation Plum Tree Jeland National Wildlife Refuge | year month day |
| Area Code / Phone Number Virginia Beach, VA 23456 | 757-721-2412 |
| Species CC Logger Lead Turtle Number | er By Day |
| Religibility of LD: (CIRCLE) | es Verified by State Coordinator? Yes□ No□ |
| Sex: (CIRCLE) Female Male (Indetermined) | 1 |
| State Virginia County Virginia Beach | City Photos |
| Wildlife Refuges Surthern Border | Back Bay Nech mal |
| | |
| Condition of Turtle (use codes) Longitude Final Disposition of 1 | Turtle (use codes) |
| Tag Number(s) (include tag return address and disposition of tag) | |
| Remarks (note if turtle was involved with tar or oil, gear or debris entanglement papillomas, epizoa, etc.) continue on back if necessary NO Signs of injury fresh NO signs of | |
| MEASUREMENTS: CIRCLE UNITS | CODES: |
| Straight Length cm/in | SPECIES: CC = Loggerhead |
| Straight Width cm/in | CM = Green DC = Leatherback EI = Hawksbill |
| Curved Length 64.5 cm/in Nuchal Notch | LK = Kemp's ridley UN = Unidentified |
| Curved Width cm/in | CONDITION OF TURTLE: |
| Mark wounds, abnormalities, and tag locations | 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune |
| Posterior () | 5 = Unpainted, left on beach |

6 = Alive, released

Marginal Tip_

| give a specific location description. INCLUDE LATITUDE AND LOTTED | 1 1 00 |
|---|--|
| Observer's Full Name LARS JOHNSON Stra | anding Date |
| Real Ray National Wildlife Refuge, 4005 Sandpl | per Rd, VA. Beach, VA. 2345 |
| (757) 721-2412 | |
| Area Code / Phone Number | × |
| Species Varifie | ed by State Coordinator? Yes No |
| Reliability of I.D.: (CIRCLE) Unsure | |
| Sex: (CIRCLE) Female Male City of Vignal | ia beach |
| State Virginia County City of Villand | Sach Bay NWR on |
| Location (be specific and include closes lown) | |
| Sandbridge Beach | |
| Latitude Longitude | / |
| Final Disposition of Turtle | (use codes) |
| Tag Number(s) (include tag return address and disposition of tag) | |
| Tag Number(s) (include tag retotti daditas | 102 |
| | de or mutilations, propellor dame |
| Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wo | ionas of moments, page 1 |
| papillomas, epizoa, etc.) continue on back if necessary | 1. from a sharp |
| papillomas, epizoa, etc.) continue on back if necessary Head completele missing small note | ill land of a strike |
| alitication of a compact of the | ible propeller SMIRE |
| 1 | |
| | CODES: |
| MEASUREMENTS: CIRCLE UNITS Notth pace head | CC = Loggerhead |
| Straight Length cm/in ~3cm_ | DC = Leatherback |
| | El = Hawksbill |
| Straight Width cm/in Nuchal | LK = Kemp's ridley UN = Unidentified |
| Curved Length 60.1 cm/in Notch | CONDITION OF TURTLE: |
| Curved Width 39.5 cm/in | 0 = Alive |
| Corres widing | 1 = Fresh dead |
| * Measurements accurate ID. Positive | 2 = Moderately decomposed 3 = Severely decomposed |
| accurate | - A = Dried carcass |
| | 5 = Skeleton, bones only |
| Mark wounds, abnormalities, | FINAL DISPOSITION OF TURTLE |
| and tag locations | 1 = Painted, left on beach 2 = Buried: on beach / off == |
| | 3 = Salvaged specimen: Oil = |
| | 4 = Pulled up on beach or a= 5 = Unpainted, left on beach |
| Posterior | A = Alive released |
| Marginal Tip | 7 = Alive, taken to a holding = |

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

| 1 - 2 0 | | 98100 |
|--|---|--|
| Observer's Full Name Lamar B. G | | _Stranding Date $\frac{98 - 0 - 2}{\text{year}}$ |
| Address / Affiliation | | |
| Area Code / Phone Number | 4005 Sandpiper Road Virginia Beach, VA 23456 | 757-721-2412 |
| Species Laggerhead Turt | Turtle Number I | By Day |
| Reliability of I.D.: (CIRCLE) Unsure | Probable Positive Species \ | /erified by State Coordinator? Yes□ No□ |
| Sex: (CIRCLE) Female Male (| | , |
| State Virginia | County Virginia Bear | Photos NCNG |
| Location (be specific and include closest and 4 miles South of | Town of Sandbrid | of Refuge Beach ran |
| | Longitude | 1 |
| | | rtle (use codes) 2 Coff beach |
| | | |
| Tag Number(s) (include tag return addre | ass and disposition of tag) | |
| Terigito/Amar Tradevolat a | | could be due to decomposite |
| MEASUREMENTS: CIRCLE UNITS | _ L | CODES: |
| THE RESERVE TO A SECTION OF THE | - parture | SPECIES: CC = Loggerhead CM = Green |
| Straight Length cm | /in | CM = Green DC = Leatherback |
| Straight Width cm | /in | EI = Hawksbill |
| Curved Length 6 6 | Vin Nuchal Notch | LK = Kemp's ridley UN = Unidentified |
| Curved Width @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ | yin Val | CONDITION OF TURTLE: |
| | l both and a second | 0 = Alive 1 = Fresh dead |
| | 1 // 1 | 2 = Moderately decomposed |
| | / /H > H | 3 = Severely decomposed 4 = Dried carcass |
| Mark wounds, | | 5 = Skeleton, bones only |
| abnormalities, and tag locations | | FINAL DISPOSITION OF TURTLE: |
| | W XX | 1 = Painted, left on beach 2 = Buried: on beach / off beach |
| I- the UP MS amstern | \times | 3 = Salvaged specimen: all / par |
| T WAY VA MIS am | () | 4 = Pulled up on beach or dune |

Marginal Tip

6 = Alive, released

| give a specific location description. Invelope Extitobe AND LONG | TIODE. |
|---|--|
| Observer's Full Name LARS JOHNSON | Stranding Date 9 - 20 - 98 |
| Address / Affiliation Back Bay National Wildlife I | Refuge Government day |
| Area Code / Phone Number 4005 Sandpiper Road Virginia Beach, VA 2345 | |
| Species <u>CC</u> <u>Loggerlead</u> Turtle | \ -/ |
| Reliability of I.D.: (CIRCLE) Unsure Probable Positive | Species Verified by |
| | vas sex determined? |
| State County Vira | inia Beach Coxphoros |
| Location (be specific and include closest town) State County Vira County Vira County Normalist Normalist Normalist Little | Toland City Pack Bead |
| LatitudeLongitude | |
| Condition of Turtle (use codes) Final Disposi | tion of Turtle (use codes) 1.3 |
| Tag Number(s) (include tag return address and disposition of tag) _ | |
| rag Number(s) (include tag return address and disposition of tag) _ | |
| No noticeable sign of injury. Shell | y y |
| MEASUREMENTS: CIRCLE UNITS | CODES: |
| Straight Length cm/in | SPECIES: CC = Loggerhead |
| | CM = Green DC = Leatherback |
| Straight Width cm/in | EI = Hawksbill LK = Kemp's ridley |
| Curved Length 70000 to cm/in | tch UN = Unidentified |
| Curved Width 98.0 * cm/in | CONDITION OF TURTLE: 0 = Alive |
| * flese measurements | 1 = Fresh dead |
| Ale assurations by | 2 = Moderately decomposed 3 = Severely decomposed |
| Mark wounds, Norm due to | 4 = Dried carcass 5 = Skeleton, bones only |
| abnormalities, Nor M due to | |
| and tag locations blowling. | FINAL DISPOSITION OF TURTLE: Painted, left on beach |
| | 3 = Salvaged specimen; all part |
| | 4 = Pulled up on beach or dune |
| Posterior Advanced Tip | 5 = Unpainted, left on beach 6 = Alive released |

| Observer's Full Name LANS JOHNSON | Back Bay National Wildlife Perform |
|--|--|
| Address / Affiliation | Plum Tree Island National Wildlife Refrace |
| Area Code / Phone Number | 4005 Sandpiper Road Virginia Beach, VA 23456 757-721-7412 |
| Species CC Logger head | Turtle Number By Day |
| Reliability of I.D.: (CIRCLE) Unsure Probable | Positive Species Verified by State Coordinator? Yes No |
| Sex: (CIRCLE) Female Male Undetermine | How was sex determined? |
| StateCour | My Virginia beach City Photos |
| Location (be specific and include closest town) | Back Bay National Wildlik Refuel |
| - I rule south of Back B | ay Beach Romp |
| Latte da | Longitude |
| | Final Disposition of Turtle (use codes) 13 left flippy |
| Tag Number(s) (include tag return address and disp | |
| | |
| Papillomas, epizoa, etc.) continue on back if necessor light side of carapace is pur down middle of vertebrals. Con at 3, 4, 5, 6, 6, 3 cm len | ested away due to probable propeller cent est i's 30 cm in length w/ 6 jagged "teek" ofthe respectively. The insides have blooded + caused codes: the stell to be |
| MEASUREMENTS: CIRCLE UNITS | one winth (curved) is SPECIES: Pushed away to only mensurement accurate SPECIES: The only mensurement accurate SPECIES: The select away of the only mensurement accurate SPECIES: |
| Straight Length cm/in / | assettle This to kell sim I co - Loggerment |
| Straight Width cm/in | to center vertebral. This to center vertebral. This was then doubted DC = Leatherback EI = Hawksbill |
| Curved Length 71.5 cm in | Nuchal Notch Propells UN = Unidentified |
| Curved Width 32.0 ×2 ~64.0 cm/ | Cont CONDITION OF TURTLE: |
| height of conf and long Mark wounds, abnormalities, and tag locations 30 cm fotal length 7 shrights | O = Alive of verticol 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part for the second of the second o |
| Posterior Marsinal Tin | 9 Julied and 5 = Unpainted, left on beach 5 = Unpainted, left on beach 6 = Alive, released |

| Observer's Full Name ARS JOHNSON Stranding Date 8 - 20 - 98 |
|--|
| Address / Affiliation Plum Tree Island National Wildlife Refuge Mo day year |
| Area Code / Phone Number 4005 Sandpiper Road Virginia Beach, VA 23456 757 - 721 - 2412 |
| Species C.C. loggerhend Turtle Number By Day 2 |
| Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes No |
| Sex: (CIRCLE) Female Male Undetermined How was sex determined? Length of fuil Possible |
| State VY Beach City Photos |
| Location (be specific and include closest town) Back Bay National Wildlike Refuge 2 miles # South from BB beach ramp |
| Probably less than Latitude |
| Condition of Turtle (use codes) 1,2 Final Disposition of Turtle (use codes) 1,3 (Raint may not be final Disposition of Turtle (use codes) |
| Tag Number(s) (include tag return address and disposition of tag) |
| Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary Right side of carapace pushed away from back due to probable propellor cut down middle of vertebrals. Cut is ~ 55.5 cm in length w/5 jagged "teek" at lengths lengths 10, 9, 9, 7, +5 cm respectively. The rhsides have bloated and caused ke stell to be pushed away circum. 26 straight af diagram CODES: feu? 20 cm from |
| MEASUREMENTS: CIRCLE UNITS one width leafth SPECIES: 35cm und |
| Straight Length cm/in Stall Plateon of the Company of all of curvad left width CM = Green Coron of the CM = Green CM = Gree |
| Straight Width cm/in EI = Hawksbill |
| Curved Length cm/in/ Notch UN = Unidentified |
| Curved Width Complete |
| One side Unable to be measured Mark wounds, abnormalities, and tag locations Sometimes Sometime |

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

| Observer's Full Name Christopher Wicker | Stranding Date POS - 7 |
|--|---|
| Address / Affiliation Back Bay National Wildlife Refuge, 4005 San | dpiper Rd., VA. Beach, VA. 23456 |
| Area Code / Phane Number (757) 721–2412 Species | |
| | |
| Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species V | erified by State Coordinator? Yes□ No☑ |
| Sex: (CIRCLE) Female Male Underermined How was sex det State County WA Brock | |
| Story next to lamp, broken draining pipe. Latitude | public enfrance out Fort |
| Condition of Turtle (use codes) Final Disposition of Tur | tie (use codes) |
| Tag Number(s) (include tag return address and disposition of tag) | |
| | |
| Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, papillomas, epizoa, etc.) continue on back if necessary Compane and plastron are present, but her discers and interior among one present Left Guld not be found lower mandalo-distrated there | od right Hipper, boner. Fligger and hind Hippers |
| MEASUREMENTS: CIRCLE UNITS Straight Length cm/in | SPECIES: —CC = Loggerhead CM = Green |
| Straight Width cm/in | DC = Leatherback' EI = Hawksbill LK = Kemp's ridley |
| Curved Length Cm/in Nuchal Notch | UN = Unidentified |
| -Curved Width cm/in | CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed |
| Mark wounds, abnormalities, | 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only |
| and tag locations must great the state of th | FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part |
| rant tipper + tituet | 4 = Pulled up on beach or dune 5 = Unpainted, left on beach 6 = Alive, released |

6 = Alive, released

| Observer's Full Name JOHN I, GALVEZ | Stranding Date 8 - 16 - 98 |
|--|---|
| Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sar | dpiper Rd., VA. Beach, VA. 23456 |
| Area Code / Phone Number(757) 721-2412 | |
| Species LOGG ERHEAD Turtle Number B | y Day |
| Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species V | erified by State Coordinator? Yes□ No□ |
| Sex: (CIRCLE) Female Male (Undetermined) How was sex de | |
| State VA County Virginia C | BEACH_ |
| Location (be specific and include closest town) Fort Story (A | Bout 1 miles From |
| Entrance TO Beach) | |
| LatitudeLongitude | |
| Condition of Turtle (use codes) 2 Final Disposition of Turt | |
| | |
| Tag Number(s) (include tag return address and disposition of tag) | |
| | |
| Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, | wounds or mutilations, propellor damage, |
| Propeller Damage to First Plate. RIG | HT Flippys completely |
| decompose while left ones intact | 4 |
| Quinque Walle Cert One private | |
| | CODES: 7 |
| MEASUREMENTS: CIRCLE UNITS | SPECIES: |
| Straight Length (m) in | CM = Green |
| Straight Width98 cm/in | DC = Leatherback |
| Nuchal. | LK = Kemp's ridley UN = Unidentified |
| Curved Length cm/in Notch | |
| Curved Width cm/in | CONDITION OF TURTLE: |
| | 1 = Fresh dead 2 = Moderately decomposed |
| | 3 = Soverely decomposed 4 = Dried carcass |
| Mark wounds, | 5 = Skeleton, bones only - |
| abnormalities, and rag locations | FINAL DISPOSITION OF TURTLE: |
| | 1 = Painted, left on beach 2 = Buried: on beach / off beach |
| | 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune |
| Posterior | 5 = Unpainted, left on beach 6 = Alive, released |

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

| Observer's Full Name Christophon Mckor | _Stranding Date | |
|---|---|--|
| Address / Affiliation Back Bay National Wildlife Refuge | year month day | |
| Area Code / Phone Number 4005 Sandpiper Road Virginia Beach, VA 23456 | | |
| SpeciesTurtle Number B | by Day | |
| Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species V | erified by State Coordinator? Yes□ No□ | |
| Sex: (CIRCLE) Female Male Undetermined How was sex de | termined? | |
| State VA County VA Boxh | Photos | |
| Location (be specific and include closest town) _ Located an | Little Island City Beach | |
| about 15 paces from the left side of pier | | |
| Latitude Longitude | | |
| Condition of Turtle (use codes) Final Disposition of Turtl | | |
| Tag Number(s) (include tag return address and disposition of tag) | | |
| | - look | |
| Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, papillomas, epizoa, etc.) continue on back if necessary It is deprived of its posterior carapice and planting hind last one present. (They are attacked for till scutes are lost. Posterior tip of cut carapice is: | probably done by properly strong and its thetoched | |
| MEASUREMENTS: CIRCLE UNITS | SPECIES: CODES: #/ipper- | |
| Straight Length cm/in | CC = Loggerhead CM = Green | |
| Straight Width cm/in | DC = Leatherback EI = Hawksbill | |
| Straight Width cm/in Curved Length 41.3 = cm/in Nuchal Notch | LK = Kemp's ridley UN' = Unidentified | |
| Curved Width 565 cm/in | CONDITION OF TURTLE: | |
| Mark wounds, abnormalities, and tag locations Posterior | 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune 5 = Unpainted, left on beach | |

Marainal Tip_

6 = Alive, released

| server's Full Name Chris Wicker | (/ 7 5) |
|--|--|
| | Stranding Date 8 - 7 - 58 |
| dress / Affiliation Back Bay National Wildlife Refug | e, 4005 Sandpiper Rd., VA Beach, VA 23456 |
| Code / Phone Number (757) 721-2412 | |
| cies CC LoggerheadTur | tle Number By Day |
| ability of I.D.: (CIRCLE) Unsure Probable Positive | Species Verified by State Coordinator? Yes□ No□ |
| : (CIRCLE) Female Male Undetermined How | |
| · VA Brash County Vira | all a Reach Cal |
| trian (be specific and include clasest town)BIN | 5+61st of Cream Front |
| ude | |
| dition of Turtle (use codes) Final Dispo | 5 |
| Number(s) (in-t-1) | isition of Turtle (use codes) |
| Number(s) (include tag return address and disposition of tag) | |
| could not examine specimon here to Specimon was bloated + sermed to have | High tides grip on the remains. |
| ASUREMENTS: CIRCLE UNITS | CODES: |
| | SPECIES: CC = Loggerhead CM = Green |
| ight Width | Crack CM = Green DC = Leatherback |
| ight Width cm/in | El = Hawksbill |
| | uchal LK = Kemp's ridley otch UN = Unidentified |
| red Width cm/in | CONDITION OF TURTLE: |
| k wounds, | 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass |
| ormalities, tag locations | 5 = Skeleton, bones only |
| | FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach |

| Observer's Full Name Jara T. Wi | Stranding Date 98-08 - 07 |
|---|--|
| Address / Affiliation Back Bay 1 | National Wildlife Refuge |
| Area Code / Dh N 400: | ind National Wildlife Refuge 5 Sandpiper Road 757-721-2412 |
| CA | <u>ia Beach, VA 23456</u> Tortle Number By Day |
| A 10 A 100 | , |
| S. (CIRCLE) | , |
| StateCounty _ | How was sex determined? VIGINIA BRACK Photos |
| Location (be specific and include closest town) | |
| False Cape Landing @ False | |
| latitude | • |
| | Final Disposition of Turtle (use codes) |
| Tag Number(s) (include tag return address and disposition | |
| | |
| No flesh or scu | tes present, just bones neasured from tip to tip |
| - tor the length, and en | nd of home to end of home the |
| MEASUREMENTS: CIRCLE UNITS | SPECIES: CODES: at widest |
| Straight Length cm/in | $CC = Loggerhead$ $W^{I}UT^{A}$. $CM = Green$ |
| Straight Width cm/in | DC = Leatherback EI = Hawksbill |
| Curved Length 72 cm/in | Nuchal LK = Kemp's ridley |
| Curved Width 64 cm/in | Notch UN = Unidentified CONDITION OF TURTLE: |
| Mark wounds abnormalities, Missing and Tag locations | 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only |
| Posterior Marginal Tip | FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune 5 = Unpainted, left on beach 6 = Alive, released |

| Observer's Full Name all a Tulliams | Stranding Date |
|---|---|
| Address / Affiliation Back Bay National Wildlife Refug | |
| 4005 Sandniner Road | 757-721-2412 |
| SpeciesTurtle Numbe | |
| Religibility of LD . (CIDCLE) | s Verified by State Coordinator? Yes N |
| Sex: (CIRCLE) | determined? |
| StateCounty | Photos |
| | Jorth of False Cope |
| Latitudelongitude | |
| Condition of Turtle (use codes) Final Disposition of I | urtle (use codes) |
| Tag Number(s) (include tag return address and disposition of tag) | |
| | d d |
| Remarks (note if turtle was involved with tar or oil, gear or debris entanglement papillomas, epizoa, etc.) continue on back if necessary All 4 applaces MISSI | |
| in head and spinal column | in Cilate In Medit |
| | few barnactes on shell. |
| MEASUREMENTS: CIRCLE UNITS | 7 CODES: |
| Straight Length cm/in - d | SPECIES: CC = Loggerhead |
| ~4\ | CM = Green DC = Leatherback |
| Curved Length 76 Win Nuchal | EI = Hawksbill LK = Kemp's ridley |
| Curved Width 72 cm/in | UN = Unidentified |
| | CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 Severely decomposed |
| Mark wounds, abnormalities, and tag locations | 4 = Dried carcass 5 = Skeleton, bones only FINAL DISPOSITION OF TURTLE: |
| barnacles X= | 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part |
| Posterior | 4 = Pulled up on beach or dune 5 = Unpainted, left on beach |

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

| Observer's Full Name Saa Willian | ns & Chris wicker | Stranding Date _ 98 - 07 - 10 |
|--|--------------------------------|--|
| Address / AffiliationPlu | Doole Day M | year month day |
| Area Code / Phone Number | | 757-721-2412 |
| Species | Turtle Number | r By Day OZ |
| | | Verified by State Coordinator? Yes□ Nà□ |
| C (CIDCIT) | | determined? |
| State VA | County Vivginia | Beach Photos |
| Park, barner, brater M | own) OI mi north of | Folso Opro State |
| Latitude | Longitude | |
| Condition of Turtle (use codes) | Final Disposition of T | urtle (use codes) |
| ag Number(s) (include tag return address | s and disposition of tag) Apre | |
| Severly bloated Cimal Caropano of extended (| lar purcture is found on | the right side just holds to another punctive on the it. The center of its glostron. |
| MEASUREMENTS: CIRCLE UNITS | | SPECIES: CODES: |
| Straight Length cm/in | 1 | CC = Loggerhead CM = Green |
| Straight Width cm/in | | DC = Leatherback EI = Hawksbill |
| Curved Length | Nuchal Notch | LK = Kemp's ridley UN = Unidentified |
| Curved Width 74.7 min | | CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only |
| Posterior Marsing Ti | | FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune 5 = Unpainted, left on beach 6 = Alive, released |

Marainal Tin

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

| Observer's Full Name QM FL | Illiams & Christil | CKE Stranding Date 98-07-10 |
|--|--|--|
| | Back Bay National Wildlife Refuge | |
| Area Code / Phone Number | 4005 Sandpiper Road Virginia Beach, VA 23456 | 757-721-2412 |
| Species CC Logge | rheadTurtle Numbe | er By Day 03 |
| Reliability of I.D.: (CIRCLE) Unsure | | es Verified by State Coordinator? Yes 🗆 💆 |
| Sex: (CIRCLE) Female Male | Undetermined How was sex | determined? |
| State | County Virgine | Ece Beach Photos |
| Location (be specific and include closes | st town) | Lash Loods in False |
| Latitude | Longitude | |
| Concition of Turtle (use codes) | | |
| Tag Number(s) (include tag return addi | | |
| | - 11 10g/ <u>-/ far</u> | |
| That bloated I han for gotter for and right sh | and. The bounds are to | or slices, or Mulations, propellor damage, or slices, o |
| MEASUREMENTS: CIRCLE UNITS | | SPECIES: |
| Straight Length cm | /in | CC = loggerhead |
| Straight Width cm, | /in 🛕 | CM = Green DC = Leatherback |
| Curved Length 6 | Via Nuchal | EI = Hawksbill LK = Kemp's ridley UN = Unidentified |
| Curved Width 58.5 (cm) | Noich Noich | CONDITION OF TURTLE: |
| Mark wounds, abnormalities, | | 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only |
| and tag locations | tracks | FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune |
| Posterior | | 5 = Unpainted left on heach |

A = Aliva ratarand

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

| Observer's Full Name Sara Willia | Stranding Date 98 - 07 - 10 |
|---|--|
| Address / Affiliation | Back Bay National Wildlife Refuge |
| Area Code / Phone Number | Plum Tree Island National Wildlife Refuge 4005 Sandpiper Road Virginiu Beach, VA 23456 757-721-241 |
| Species CC, Loggerhead | Turtle Number By Day |
| Polick the CLD Concern | |
| Sex: (CIRCLE) Female Male Undetermin | No.2 |
| State VA | nty VA Beach Photos |
| Location (be specific and include closest towns) | C 25 mile SC He of De la Coll |
| and Sandbridge's b | 0.25 mile south of Dam Neck order [Ht the last (most northern) order [public heach access before Dam Ne |
| latitude | |
| Condition of Turtle (use codes)3 | |
| ag Number(s) (include tag return address and disp | |
| | osilion of rag) |
| - Bloated, F | Pieces Missing |
| MEASUREMENTS: CIRCLE UNITS | CODES: |
| Straight Length cm/in | SPECIES: CC = Loggerhead |
| Straight Width cm/in | CM = Green DC = Leatherback |
| Curved Length 58.5 cm/in | EI = Hawksbill LK = Kemp's ridley |
| Curved Width 59.5 Fm/)n | Notch UN = Unidentified |
| | CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposer 3 = Severely decomposed 4 = Dried carcass |

| Observer's Full Name LAPE Jahnson | _Stranding Date 99 |
|--|--|
| | Stranding Dute |
| Address / Affiliation Back Bay National Wildlife Refuge, 4005 San | idpiper ku., va. Beden, va. 25450 |
| Area Code / Phone Number (757) 721-2412 | - |
| Species touges Lead C Turtle Number & | |
| Reliability of LD.: (CIRCLE) Unsure Probable Positive Species V | 'erified by State Coordinator? Yes□ No□ |
| Sex: (CIRCLE) Female Male Underermined How was sex de | termined? |
| State VA County VIAMA & | cach Ciny |
| Location (be specific and include closest town) Occant Fint | the in swash 6/4 215 12-1 |
| Location (be specific and include closest town) | |
| | |
| LatitudeLongitude | 1 |
| Condition of Turtle (use codes) | rtie (use codes) |
| ing Number(s) (include rag return address and disposition of tag) Nime | |
| | |
| and go from carance to plastion. Denth see | misto have been very reent. |
| | CODES: 7 |
| MEASUREMENTS: CIRCLE UNITS | SPECIES: |
| Straight Length cm/in | CM = Green |
| E L. No. I . | DC = Leatherback' / El = Hawksbill |
| GG O Nuchal | LK = Kemp's ridley |
| Curved Length cm/in Notch | UN = Unidentified |
| -Curved Width 64.5 cm/in | CONDITION OF TURTLE: |
| 1194 X | 1 = Fresh dead |
| 01067 | 2 = Moderately decomposed 3 = Soverely decomposed |
| Mark wounds, | A = Dried carcass 5 = Skeleton, bones only - |
| abnormalities, | |
| and rag locations deep all | FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 |
| the war playered | 2 = Buried: on beach / off beach *113 3 = Salvaged specimen: all / pan (4) |
| | 4 = Pulled up on beach or dune 5 = Unpainted, left on beach |
| Posterior () # | A - Alive released |

| give a specific location description. INCLUDE LATTUDE AND | 7-7 A B |
|--|---|
| Observer's Full Name Unistabler Wicker Stra | anding Date 48 -17 - 117 |
| Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandp: | iper Rd, VA. Beach, VA. 23456 |
| Address / Affiliation Back Bay National Wildlife Release, (757) 721-2412 | |
| Area Code / Phone Number | / |
| Species CC (apprhand Turtle Number By Da | у |
| Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verifi | ed by State Coordinator? Yes No 2 |
| Sex: (CIRCLE) Female Male Undetermined How was sex determ | |
| State VA County M. Franch | El Core Jamina |
| State VA County A Peach Location (be specific and include closest town) 55 miles Gruth of | HOISE CLIPS TIMETING |
| • | |
| LatitudeLongitude | |
| Condition of Turtle (use codes) Final Disposition of Turtle | (use codes) |
| Condition of Turtle (use codes) | |
| Tag Number(s) (include tag return address and disposition of tag) ——————————————————————————————————— | |
| · · · · · · · · · · · · · · · · · · · | tileties propeller damage, |
| Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, we | ounds or mutilations, proposition |
| papinomas, epizod, etc., commod of the same same same same same same same sam | - motorior of fach there |
| papillomas, epizoa, etc.) continue on back if necessary | Skelotor visible on lateral |
| and lateral to the head (se picture tolow). | The occupant on bord |
| ends of hoth anterior fliggers and also visible or face | CODES: |
| ALEACHE MENTS. CIRCLE LINITS | SPECIES: |
| MEASUREMENTS:_CIRCLE UNITS | CC = Loggerhead CM = Green |
| Straight Length cm/in | DC = Leatherback |
| Straight Width cm/in i.w // // // // // // // // // // // // // | EI = Hawksbill LK = Kemp's ridley |
| Curved Length Tout Compin Nuchal Notch | UN = Unidentified |
| Curved Length | CONDITION OF TURTLE: |
| Curved Width 7200 cm/in | - 0 = Alive 1 = Fresh dead |
| | 2 = Moderately decomposed |
| | 3 = Severely decomposed 4 = Dried carcass |
| | 5 = Skeleton, bones only |
| Mark wounds, abnormalities, | FINAL DISPOSITION OF TURTLE: |
| and tag locations | i - n-i-red left on bedcii |
| Gleleton X | a - Busied: on heach / off beach |
| | 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune |
| | 5 = Unpainted, lett on beach |
| Posterior | 6 = Alive, released 7 = Alive, taken to a holding facility |
| Marginal Tip | / = Alive, ruken lo diliste |

| Observer's Full Name LARS JOHNSON | Stranding Date 6 - 24 - 98 |
|--|---|
| Address / Affiliation Back Bay NWK, 4005 | Sampper Rd WB, VA, |
| Area Code / Phone Number | 2412 |
| Species Coggerhead CC Turtle Number By | Day O |
| Beliebile / LD (CIRCLE) | rified by State Coordinator? Yes No. |
| Sex: (CIRCLE) Female Male Undetermined How was sex dete | ermined? |
| State VA County Virginia Beac | K City Photos |
| Location (be specific and include closest town) | of talse |
| Cape State Dark's False Cape Land | ina |
| Latitude Longitude | |
| Condition of Turtle (use codes) Final Disposition of Turtl | e (use codes) |
| Tag Number(s) (include tag return address and disposition of tag) | |
| | |
| Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, we papillomas, epizoa, etc.) continue on back if necessary All Hat (emans to be seemed two pieces of cara away lay H, etc.) | pee . 300 4 maters |
| Seation of the caragace is missing meas | surements will be inconclusion |
| MEASUREMENTS: CIRCLE LINITS | CODES: |
| Straight Length cm/in | SPECIES: CC = Loggerhead |
| Straight Length cm/in con/in | CM = Green DC = Leatherback EI = Hawksbill |
| | LK = Kemp's ridley UN = Unidentified |
| Commed William 53 0 | CONDITION OF TURTLE: |
| Mark wounds, abnormalities, and to least inch | 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only |
| and tag locations Gove Posterior | FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune 5 = Unpainted, left on beach |

| server's Full Name LARS JOHNSON | Stranding Date 6 - 72 - 78 |
|--|---|
| iress / Affiliation Back Bay National Wildlife Refuge, 4005 | Sandpiper Rd., VA Beach. VA 23456 |
| Code / Phone Number (757) 721-2412 | |
| cies <u>CC</u> Loggerlead Turtle Numbe | s By Con. |
| polity of I.D.: (CIRCLE) | s Verified by State Coordinator? Yes C No Z |
| (CIRCLE) Female Male Undetermined | |
| County Virginia Beachion (be specific and include closest town) Fort Story 3/4 | ch Coty Fort Story |
| tion (be specific and include closest town) Fort Story 3/4 | miles South from Station |
| omnander's Residence | |
| deLangitude | |
| tion of Turtle (use codes) Z Final Disposition of To | urde (ure codes) |
| lumber(s) (include tag return address and disposition of tag) | orne (use codes) |
| | |
| is (note if turtle was involved with tar arail, gear or debris entanglement is epizoa, etc.) continue on back if necessary 10 CM gash on left-side of neck ju | at bolow & income |
| may be post morken while washing upon brick + coments coments | donce littered and lace |
| brick + cements removats from a building | that was wasted and Africal |
| SOREMEN 15: CIRCLE UNITS | CODES: Het no apparent |
| ght Length cm/in 10 cm / gash | SPECIES: wounds. |
| ght Width cm/in | CM = Green DC = Leatherback |
| ed length 73.0 Covered Nuchal | EI = Hawksbill LK = Kemp's ridley |
| d Width 68.3 cm/in * " Norch | UN = Unidentified |
| | CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed |
| wounds, malities, ag locations | 4 = Dried carcass 5 = Skeleton, bones only |
| | FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part |
| Posterior | 4 = Pulled up on beach or dune 5 = Unpainted, left on beach |

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal north to the holof the most posteriar marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE. Observer's Full Name. _Stranding Date Accress / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd., VA. Beach, VA. (757) 721-2412 Area Code / Phone Number _Turtle Number By Day. Reliability of LD.: (CIRCLE) Unsure Positive Species Verified by State Coordinator? Yes I No Z Probable Sex: (CIRCLE) Female Male How was sex determined? _ Vacetermined Location (be specific and include closest town) Stituce Longitude Condition of Turtle (use codes) Final Disposition of Turtle (use codes). ag Number(s) (include tag return address and disposition of tag). emarks (note if turtie was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, apillomas, epizoa, etc.) continue on back if necessary CODES: MEASUREMENTS: CIRCLE UNITS SPECIES: _CC = Loggerhead Straight Length cm/in CM = Green DC = Leatherback Straight Width El = Hawksbill LK = Kemp's ridley Nuchal. red Length UN = Unidentified Notch Curved Width : CONDITION OF TURTLE 0 = Alive . 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass Mark wounds, 5 = Skeleton, bones only ibnormalities, and tag locations FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged speciment all / part 4 = Pulled up on beach or dune

5 = Unpainted; left on beach

| Observer's Full Name Sara T Williams | tranding Date <u>98 - 06 - 19</u> |
|--|--|
| Address / Affiliation Back Bay NWR | year manth day |
| Area Code / Phone Number 721-2412 | |
| SpeciesTurtle Number By D | av 0 |
| Religibility of LD (CIRCLE) | ied by State Coordinator? Yes□ No.Q |
| Sex: (CIRCLE) F | nined? |
| State VA County Virginia P | |
| Location (be specific and include closest town) 150 yds South | |
| Lane on Sandbridge's beach-right no | ext to bulkhead |
| Latitude Longitude | |
| Condition of Turtle (use codes) Final Disposition of Turtle | (use codes) |
| Tag Number(s) (include tag return address and disposition of tag) | |
| | |
| Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, would papillomas, epizoa, etc.) continue on back if necessary Decomposing shell has fallen apolicies of the paper of | art in many |
| TIGHTS WE WISSING OF THE She | 11 Calla have |
| The first of the paint | e washed of |
| | CODES: |
| cm/in | CC = Loggerhead CM = Green DC = Leatherback |
| cm/in | EI = Hawksbill LK' = Kemp's ridley |
| Notch | JN = Unidentified |
| Curved Width 55 cm/in co | NOITION OF TURTLE: Q = Alive |
| Mark wounds, abnormalities, and tag locations 100 155 in 5 | O = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only |
| parts of ing in shell missen in the shell missen in the shell missen in the shell make the shell missen in | AL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune 5 = Unpainted, left on beach |

| the Takley | 6-15 92 |
|--|--|
| Observer's Full Name ALS JOANSON | Stranding Date 6 - 15 - 18 |
| Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sa | indpiper Rd., VA. Beach, VA. 23456 |
| Area Code: Phane Number (757) 721-2412 | |
| Species | By Day Z |
| | Verified by State Coardinator? - Yes□ No□ |
| Sex: (CIRCLE) Female Male Undetermined How was sex do | etermined? |
| State Virginia County Virginia Be | ach City - |
| Location (be specific and include closest town) Victima Black | .Craaton Ecuch at |
| Muth of Rudy's Inlet, South Side 20 | imeles from locks bouling whe |
| LatitudeLongitude | J |
| Condition of Turtle (use codes) Final Disposition of Tu | urle (use codes) |
| | |
| Tag Number(s) (include tag return address and disposition of tag). | 一一一一一一一一 |
| n dest | |
| Remarks (note if turtie was involved with tar or oil, gear or debris entanglement papillomas, epizoa, etc.) continue on back if necessary | , wounds or mullianding, propellar admage, |
| Severly Manaled Topof Skull missing, Skin istil | I intact shielded over lower jaw. |
| Marabale briken at approximate to way mark | V. Ing. des exposed sibbs |
| 1 mis protruding out where shell s. m. ssim Bell | a shows many Princture woulds |
| MEASUREMENTS: CIRCLE HINITS | CODES: COMELISIMO |
| , sxuli | CC = Loggemend |
| hale in | DC = Leatherback by book or |
| | LK = Kemp's ridley of the mens |
| Noten | 11 11 |
| -Curved Width 51,0 cm cm/in | 0 = Alive |
| College of the second of the s | 2 = Moderately decomposed Ve- |
| turice the | 3 = Soverely decomposed 4 = Dried carcass |
| Mark wounds, not a musicisment abnormalities, | 5 = Skeleton, bones anly - |
| and rag locations 500 | FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach |
| L. 1954 | 2 = Buried: on beach / off beach |
| | 3 = Salvaged speciment all / part |

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (calliper) and/ar over the curve (tape measure). Measure length from the center of the nuchal notch to the hp of the most pasterior marginal. Measure width at the widest point of carapace. CIRCLETHE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

| Observer's Full Name ALS Johnson | Stranding Date 5 tranding Date 6 - 15 - 78 |
|--|---|
| Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sa | andpiper Rd., VA. Beach, VA. 23456 |
| Area Code / Phane Number (757) 721-2412 | |
| Species Ridley'S +K Turtle Number | By Day |
| | Verified by State Coordinator? Yes□ No□ |
| Sex: (CIRCLE) Female Male Undetermined How was sex d | |
| State Virginia County Virginia Re | Cach City |
| Location (be specific and include closest town) Bruich at Mth Street 50 Feet From shore, | Occup Hon ! |
| | |
| 2 (filder fresh) | |
| and organism of the | irrie (use codes) |
| as Number(s) (include tag return address and disposition action) | |
| | |
| Diletty access from diedain Awahan I cannot for Pit try Non found. | |
| in the second se | |
| | 7 CODES: 7 |
| MEASUREMENTS: CIRCLE UNITS | SPECIES: —CC = Loggerhead |
| Straight Length cm/in cm/in cm/in | CM = Green = |
| Straight Width cm/in | LK = Kemp's ridley |
| Curved Length 27, 2 cm/in Nuchol Natch | UN = Unidentified |
| Curved Width 27.6 CM cm/in | CONDITION OF TURTLE |
| | 0 = Alive 1 = Fresh dead |
| | 2 = Moderately decomposed 3 = Severely-decomposed |
| Mark wounds, | 4 = Dried carcass 5 = Skeleton, bones only - |
| abnormalities, and tag locations | FINAL DISPOSITION OF TURTLE: |
| | 1 = Painted, left on beach 2 = Buried: on beach Γ off beach |
| | 3 = Salvaged speciment all / part 4 = Pulled up on beach or dune |

5 = Unpainted, left on beach

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

| | 511 30E. |
|---|--|
| Observer's Full Name LARS JUYNSON | |
| Observer's Full Name LARS JUYNSON Address / Affiliation Back Bay NWR | Stranding Date 6 - 17 - 58 |
| Area Code / Phone Number 721-2412 | |
| Species Logger head CC Turtle | N. J. D. O. |
| Reliability of I.D.: (CIRCLE) Unsure Probable Positive | |
| Same (CIRCLE) | Species Verified by State Coordinator? Yes□ No□ |
| Sex: (CIRCLE) Female Male Undetermined How w | as sex determined? |
| Location (he specifies 1) | a Reach Photos No |
| State VA County Virginia Location (be specific and include closest town) Sandbridge and Marlin Rd | on beach Sondfiddle Rd |
| LatitudeLongitude | |
| Condition of Turtle (use codes) Final Disposition | 1 // |
| Tag Number(s) (include to a set | on of Turtle (use codes) |
| Tag Number(s) (include tag return address and disposition of tag) | |
| No obvious signs of harm/injury | |
| MEACHDENIEN | |
| MEASUREMENTS: CIRCLE UNITS | SPECIES: |
| Straight Length cm/in | CC = loggerhead CM = Green |
| Straight Width cm/in | DC = Leatherback EI = Hawksbill |
| Curved Length 62.5 cm/in Nuche Notch | |
| Curved Width 60.5 cm/in | CONDITION OF TURTLE: |
| Mark wounds, abnormalities, and tag locations | 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only |
| 2 10 10 10 10 10 10 10 10 10 10 10 10 10 | FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune |

5 = Unpainted, left on beach

A = Alive released

Posterior

Marginal Tin

| Observer's Full Name Sara T. Williams Address / Affiliation Back Bay National Wildlife Refuge 4005 | Stranding Day - 98 - 110 11 |
|--|---|
| Address / Affiliation Back Bay National Wildlife Refuge, 4005 | Sandning Pd WA Paral Train day |
| Area Code / Phone Number (757) 721-2412 | 23456 |
| Species CC | |
| Religibility of LD (CIDO) - | er By DayO/ |
| Reliability of I.D.: (CIRCLE) Unsure Probable Positive Specie | es Verified by State Coordinator? Yes No |
| remale Male Underermined | |
| State VA County Virginia | Beach |
| Location (be specific and include closest town) 50 ft. South | of Somella interest |
| Beach's Sea Scape Road | or sandbridge |
| I main and a second sec | |
| Longitude | |
| Condition of Turtle (use codes) Final Disposition of T | Turrie (use codes) |
| ag Number(s) (include tag return address and disposition of tag) | |
| - and disposition of leg) | A Carlo Karlo S |
| Remarks January 11 and 12 | |
| Remarks (note if turtle was involved with tar or oil, gear or debris entanglement papillomas, epizoa, etc.) continue on back if necessary | it, wounds or mutilations, propellor damage |
| | |
| no wands on flesh crac | K on shell |
| | 7 |
| | 75 35 5 |
| MEASUREMENTS:_CIRCLE UNITS | CODES: |
| | SPECIES: |
| Straight Length cm/in | CC = Loggerhead CM = Green |
| Straight Width cm/in | DC = Leatherback EI = Hawksbill |
| Curved Length 68 - (cm) in Nuchal | LK = Kemp's ridley |
| Curved Width 66 Motch | UN = Unidentified |
| Corved Width: (7) | CONDITION OF TURTLE: |
| | - 0 = Alive 1 = Fresh dead |
| | 2 = Moderately decomposed |
| | 3 = Severely decomposed |
| Wark wounds, abnormalities, | 4 = Dried carcass 5_= Skeleton, bones only |
| and tag locations | 5_ Steleion, bones only |
| | FINAL DISPOSITION OF TURTLE: |
| Crack | 1 = Painted, left on beach - 2 = Buried: on beach / off beach |
| \times | 3 = Salvaged specimen: all / part |
| | 4 = Pulled up on beach or dune |
| Posterior | 5 = Unpainted, left on beach |

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE

| | \\ |
|--|---|
| Observer's Full Name Sara T. Williams | Stranding Date 98 _ 06 _ 11 |
| Address / Affiliation Back Bay National W | ildlife Lofuge year manin day |
| Area Code / Phone Number (757) 721-24/2 | |
| | urtle Number By Day 01 * |
| Reliability of I.D.: (CIRCLE) Unsure Probable Positive | |
| Sex: (CIRCLE) Female Male Undetermined Ho | w was sex determined? |
| StateCounty | ginia Beach Photos |
| Location (be specific and include closest town) | // |
| Bay NWR's beach entrance re | amp |
| Latitude 36 38 34 N Longitude | 075° 53' 43'W |
| Condition of Turtle (use codes) Final Disp | position of Turtle (use codes) |
| Tag Number(s) (include tag return address and disposition of tag | |
| | |
| Remarks (note if turtle was involved with tar or oil, gear or debris e papillomas, epizoa, etc.) continue on back if necessary No VISible Wards Severely | bloated This report and the |
| The following two on 6/11/98 (mark | ed w/ #) all washed up # w/in |
| an nour of eachother and appear to be | at the same stage of decomposition. |
| MEASUREMENTS: CIRCLE UNITS | SPECIES: |
| Straight Length cm/in | CC = Loggerhead CM = Green |
| Straight Width cm/in | DC = Leatherback EI = Hawksbill |
| Curved Length 108.5 Ch/in | Nuchal Notch LK = Kemp's ridley UN = Unidentified |
| Curved Width 99 cm in | CONDITION OF TURTLE: |
| Mark wounds, abnormalities, | 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only |
| and tag locations Posterior | FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune 5 = Unpainted, left on beach |

4 = Atti- ------

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

| Coscite 31 on ridine | _Stranding Date |
|--|--|
| Observer's Full Name Sara T. Williams Address / Affiliation Back Bay National Wildlife | Refuge year manin day |
| Area Code / Phone Number (757) 721-11 2412 | <i>J</i> |
| SpeciesTurtle Number B | y Day 02 * |
| Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species V | erified by State Coordinator? Yes Not |
| Sex: (CIRCLE) Female Male Undetermined How was sex de | termined? |
| State Virginia County Vilginia | Reach_Photos |
| Location (be specific and include closest town) 2.3 miles | |
| Wash Woods Beach entrance | |
| Latitude 36° 37' CON Longitude 0754. | 53'06 W |
| Condition of Turtle (use codes) Final Disposition of Tur | |
| Tag Number(s) (include tag return address and disposition of tag) | |
| | |
| papillomas, epizoa, etc.) continue on back if necessary No obvious wounds, severely blog on shell probably due bloating | ted, A few cracks |
| | |
| MEASUREMENTS: CIRCLE UNITS | CODES: |
| MEASUREMENTS: CIRCLE UNITS Straight Length cm/in | CODES: SPECIES: CC = Loggerhead |
| Straight Length cm/in | CODES: SPECIES: CC = Loggerhead CM = Green DC = Leatherback |
| Straight Length cm/in Straight Width cm/in | CODES: SPECIES: CC = Loggerhead CM = Green DC = Leatherback EI = Hawksbill LK = Kemp's ridley |
| Straight Length cm/in Straight Width cm/in Curved Length 75 cm/in Nuchal Notch | CODES: SPECIES: CC = Loggerhead CM = Green DC = Leatherback EI = Hawksbill LK = Kemp's ridley UN = Unidentified |
| Straight Length cm/in Straight Width cm/in Nuchal | CODES: SPECIES: CC = Loggerhead CM = Green DC = Leatherback EI = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive |
| Straight Length cm/in Straight Width cm/in Curved Length 75 cm/in Nuchal Notch | CODES: SPECIES: CC = Loggerhead CM = Green DC = Leatherback E1 = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed |
| Straight Length cm/in Straight Width cm/in Curved Length 75 cm/in Nuchal Notch | CODES: SPECIES: CC = Loggerhead CM = Green DC = Leatherback EI = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead |
| Straight Length cm/in Straight Width cm/in Curved Length 75 cm in Curved Width 72 cm in | CODES: SPECIES: CC = Loggerhead CM = Green DC = Leatherback EI = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed |
| Straight Length cm/in Straight Width cm/in Curved Length 75 cm in Curved Width 72 cm in | CODES: SPECIES: CC = Loggerhead CM = Green DC = Leatherback EI = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass |
| Straight Length cm/in Straight Width cm/in Curved Length 75 cm in Curved Width 72 cm in | CODES: SPECIES: CC = Loggerhead CM = Green DC = Leatherback EI = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach |
| Straight Length cm/in Straight Width cm/in Curved Length cm in Nuchal Notch Curved Width cm in Nuchal Notch Mark wounds, abnormalities, Fack Cm/in | CODES: SPECIES: CC = Loggerhead CM = Green DC = Leatherback EI = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach |

/ = A!' - -!----

| Observer's Full Name Sara T. Williams | Stranding Date <u>98 - 06 - 11</u> |
|---|---|
| Address / Affiliation Kack Kay National Wildlife | Refuge year manth day |
| Area Code / Phone Number (757) 721-2412 | J |
| SpeciesTurtle Number | ву Day 03 * |
| | Verified by State Coordinator? Yes□ No X |
| | etermined? |
| State VA County Virginia | Beach Photos |
| State VA County Virginia, Location (be specific and include closest town) at False Ca | De State ParKs |
| wash woods beach entrance | |
| Latitude 36° 35' 02N Longitude 075 | °521 30 W |
| Condition of Turtle (use codes) | urtle (use codes) |
| Tag Number(s) (include tag return address and disposition of tag) | |
| | |
| No visible wounds, or marks | AUL to bloating |
| MEASUREMENTS: CIRCLE UNITS | 7 CODES: |
| | SPECIES: CC = Loggerhead |
| Straight Length cm/in | CM = Green DC = Leatherback |
| Straight Width cm/in | 1 |
| Curved Length Em/in Nuchal Notch | El = Hawksbill |
| Curved Width 63 cm/in | LK = Kemp's ridley UN = Unidentified . |
| | LK = Kemp's ridley |
| | LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive |
| | LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed |
| | LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead |
| Mark wounds, abnormalities, | LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed |
| abnormalities, and tag locations | LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only FINAL DISPOSITION OF TURTLE: |
| abnormalities, and tag locations | LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach |
| abnormalities, and tag locations | LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach |

| Observer's Full Name Sara T Williams | |
|--|---|
| Address / Affiliation Back Bay National Wildlife Refuge, 4005 S | andpiper Rd, VA. Beach, VA. 23450 |
| Area Code / Phone Number | |
| SpeciesTurtle Number | By Day <u>03</u> |
| Religibility of LD / CIRCLE) | Verified by State Coardinator? Yes 🗆 No 🖯 |
| Sex: (CIRCLE) Female Male Undetermined How was sex de | |
| State VA County Virginia F | |
| Location (be specific and include closest town) at Talse Cape | state Park's |
| False cape landing beach | 31470 / 007113 |
| Carata 1 | |
| Longitude | |
| Condition of Turtle (use codes) Final Disposition of Tu | |
| ag Number(s) (include tag return address and disposition of tag) | |
| | |
| No Shell pr'structure left Surranding detached | bones |
| MEASUREMENTS:_CIRCLE UNITS | CODES: |
| Straight Length cm/in | SPECIES: CC = Loggerhead |
| Straight Wille | CM = Green / DC = Leatherback |
| Curved least Nuchal | EI = Hawksbill LK = Komp's ridley |
| Notch | UN = Unidentified |
| Curved Width cm/in | CONDITION OF TURTLE: - 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed |
| Mark wounds, abnormalities, | 4 = Dried carcass 5 = Skeleton, bones only |
| and tag locations | FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: an beach / off beach 3 = Salvaged specimen: all / part |
| Posterior | 4 = Pulled up on beach or dune 5 = Unpainted, left on beach 6 = Alive related |

| Sex: (CIRCLE) Female Male Underermined How was State VA County Virginia. Location (be specific and include closest town) /2 mile No and False Cape State Park borde Latitude Longitude Longitude Condition of Turtle (use codes) Final Disposition Tag Number(s) (include tag return address and disposition of tag) Remarks (note if turtle was involved with tar or oil, gear or debris entangle papillomas, epizoa, etc.) continue on back if necessary A Paw Dai Natales M MEASUREMENTS: CIRCLE UNITS Straight Length Com/in Straight Width Com/in | mber By Day |
|--|---|
| Address / Affiliation Back Bay National Wildlife Refuge, 40 Area Code / Phone Number (757) 721-2412 Species CC Turtle Number Species CC Turtle Number Probable Positive Species CC Turtle Number Sex: (CIRCLE) Unsure Probable Positive Species County Virginia How was State VA County Virginia National National Report of Turtle (use codes) State Park borde Latitude Longitude Longitude Condition of Turtle (use codes) Final Disposition of Tag Number(s) (include tag return address and disposition of tag) Remarks (note if turtle was involved with tar or oil, gear or debris entanglipapillomas, epizoa, etc.) continue on back if necessary A Sew Day National Wildlife Refuge, 40 MEASUREMENTS: CIRCLE UNITS Straight Length Com/in Com/in Com/in | mber By Day |
| Area Code / Phone Number (757) 721-2412 Species CC Turtle Number Species CC Turtle Number Species CC Turtle Number Species CC Turtle Number Specific and include closest town Strate VH Country Virginia North No | ecies Verified by State Coardinator? Yes No Xt sex determined? Beach of North Carolina of Turtle (use codes) ement, wounds or mutilations, propellor damage, |
| Species | ecies Verified by State Coordinator? Yes No No No No North Carolina of North Carolina of Turtle (use codes) ement, wounds or mutilations, propellor damage, |
| Reliability of I.D.: (CIRCLE) Unsure Probable Positive Sp Sex: (CIRCLE) Female Male Undetermined How was State VA County Virginia Location (be specific and include closest town) /2 mile No and False Cape 'State Park borde Latitude Longitude Longitude Condition of Turtle (use codes) Final Disposition Tag Number(s) (include tag return address and disposition of tag) Remarks (note if turtle was involved with tar or oil, gear or debris entangle papillomas, epizoa, etc.) continue on back if necessary A Sew Dan Nat (165) M MEASUREMENTS: CIRCLE UNITS Straight Length cm/in Straight Width cm/in | ecies Verified by State Coordinator? Yes No No No No North Carolina of North Carolina of Turtle (use codes) ement, wounds or mutilations, propellor damage, |
| Strate VA Location (be specific and include closest town) | Beach of North Carolina of Turtle (use codes) ement, wounds or mutilations, propellor damage, |
| Location (be specific and include closest town) and False Cape 'State Park borde Latitude | ement, wounds or mutilations, propellor damage, |
| Latitude | ement, wounds or mutilations, propellor damage, |
| Condition of Turtle (use codes) Final Disposition Tag Number(s) (include tag return address and disposition of tag) Remarks (note if turtle was involved with tar or oil, gear or debris entangle papillomas, epizoa, etc.) continue on back if necessary A Par Mar Mar Mar Mar Mar Mar Mar Mar Mar M | ement, wounds or mutilations, propellor damage, |
| Tag Number(s) (include tag return address and disposition of tag) Remarks (note if turtle was involved with tar or oil, gear or debris entangle papillomas, epizoa, etc.) continue on back if necessary A Paw Dai Nat CIES M MEASUREMENTS: CIRCLE UNITS Straight Length cm/in | ement, wounds or mutilations, propellor damage, |
| Remarks (note if turtle was involved with tar or oil, gear or debris entangle papillomas, epizoa, etc.) continue on back if necessary A PRW DAINOCLES M MEASUREMENTS:: CIRCLE UNITS Straight Length cm/in | ement, wounds or mutilations, propellor damage, |
| MEASUREMENTS: CIRCLE UNITS Straight Length cm/in Straight Width cm/in | |
| Straight Length cm/in | |
| Straight Length cm/in | CODES |
| Curved Length 56 cmi/in Nuch Notch Curved Width 55 cmy in 6 0000 Mark wounds, abnormalities, and tag locations | |

PLEASE PRINT CLEARLY AND HELL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be strought line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

| Observer's Full Name Jara T. Williams Address / Affiliation Back Bay National Williams | sanding p. 18 - 06 10 |
|---|--|
| Address / Affiliation Back Bay National Wildlife Refuge, 4005 | Sandpiner Rd. VA Reach VA 22/56 |
| Area Code / Phone Number(757) 721-2412 | |
| Species | 01 |
| Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species | |
| Sex: (CIRCLE) Famole 44 | Verified by State Coordinator? Yes No. 12 |
| State VA County Virginia | Reach |
| Location (be specific and include closest town) 25 ft. South Naval Base and Sandbridge | th of Dam Neat |
| LatitudeLongitude | |
| Condition of Turtle (use codes) | urtle (use codes) 1 - Washed back |
| ag Number(s) (include tag return address and disposition of tag) | |
| Severely bloated, Shell 1 Several place | Callen off in |
| MEASUREMENTS: CIRCLE UNITS | 7 CODES: |
| Straight Length cm/in | SPECIES: CC = Loggerhead |
| Straight Width | CM = Green DC = Leatherback |
| Curved Length 1994 Emilia Nuchai | El = Hawksbill LK = Kemp's ridley |
| Curved Width 79 cm/in | UN = Unidentified |
| | CONDITION OF TURTLE: - 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed |
| Mark wounds, abnormalities, and tag locations | 4 = Dried carcass 5_= Skeleton, bones only FINAL DISPOSITION OF TURTLE: |
| = Missins | 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune 5 = Ungainted left as beach |

5 = Unpainted left on beach

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below, Measurements may be straight line (colliper) and/or over the curve (tape measure). Measure length from the center of the nuchal north to the hold the most pasteriar marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED, See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE. Observer's Full Name. ____Stranding Date_ Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd., VA. Beach, VA. 23456 Area Code / Phone Number (757) 721-2412 Species_ _Turtle Number By Day . Reliability of LD.: (CIRCLE) Unsure Species Verified by State Coordinator? Yes 🗆 No 🛱 Probable < Sex: (CIRCLE) Female Male *Underermined How was sex determined? State _ County Location (be specific and include clasest town) Latitude Langitude. Condition of Turtle (use codes) -_ Final Disposition of Turtle (use codes) . Tag Number(s) (include tag return address and disposition of tag) . Remarks (note if turtie was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, sapillomas, epizoa, etc.) continue on back if necessary MEASUREMENTS: CIRCLE UNITS CODES: SPECIES: Straight Length -CC = Loggerhead cm/in CMT = Green Straight Width DC = Leatherback cm/in El = Hawksbill LK = Kamp's ridley red Length Nuchal. UN = Unidentified Notch Curred Width CONDITION OF TURTLE 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed Mark wounds, A = Dried carcass abnormalities, 5 = Skeleton, bones only and reg locations FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged speciment all / part

Posterior

4 = Pulled up on beach or dune 5 = Unpainted, left on beach

| Observer's Full Name Jara 1. Williams | Stranding Date <u>98 - 06 -08</u> |
|---|--|
| Address / Affiliation Back Bay National Wildlife Refuge, 4005 | |
| Area Code / Phone Number (757) 721-2412 | |
| SpeciesTurtle Numb | er By Day |
| Religion of LD Voing in | es Verified by State Coordinator? Yes□ No⊡ |
| Sex: (CIRCIE) Family | determined? |
| State VA County Virginia | |
| Location (be specific and include closest town) 12 mile No | |
| Beach and Fort Story border + | une sound a duce |
| StitudeLongitude | |
| Condition of Turtle (use codes) Final Disposition of | Turnin (usa anglas) |
| ag Number(s) (include tag return address and disposition of tag) | - |
| | |
| emarks (note if turtie was involved with tar or all, gear or debris entangleme abillomas, epizoa, etc.) continue on back if necessary | nt, wounds or mutilations, propellor damage, |
| -many inframarginal acutes and algae compretely covered | missing, barnacies: |
| | CODES: |
| MEASUREMENTS: CIRCLE UNITS | CODES: 7 SPECIES: —CC = Loggerhead |
| MEASUREMENTS: CIRCLE UNITS Straight Length cm/in | CODES: 7 SPECIES: —CC = Loggerhead CMT = Green .= DC = Leatherback |
| MEASUREMENTS: CIRCLE UNITS Straight Length cm/in Straight Width cm/in | CODES: 7 SPECIES: —CC = Loggerhead CMT = Green = DC = Leatherback : EI = Hawksbill LK = Kemp's ridley |
| MEASUREMENTS: CIRCLE UNITS Straight Length cm/in Straight Width cm/in Curved Length Cm/in Nuchai Natch | SPECIES: —CC = Loggerhead CM = Green DC = Leatherback E! = Hawksbill LX = Xemp's ridley UN = Unidentified |
| MEASUREMENTS: CIRCLE UNITS Straight Length cm/in Straight Width cm/in Curved Length (D) | CODES: SPECIES: —CC = Loggerhead CM = Green DC = Leatherback E! = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive |
| MEASUREMENTS: CIRCLE UNITS Straight Length cm/in Straight Width cm/in Curved Length Cm/in Nuchai Natch | CODES: SPECIES: —CC = Loggerhead CM = Green DC = Leatherback E! = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed |
| MEASUREMENTS: CIRCLE UNITS Straight Length cm/in Straight Width cm/in Curved Length cm/in Curved Width cm/in | CODES: SPECIES: —CC = Loggerhead CM = Green = DC = Leatherback EI = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass |
| MEASUREMENTS: CIRCLE UNITS Straight Length cm/in Straight Width cm/in Curved Length Cm/in Nuchai Natch | SPECIES: —CC = Loggerhead CM = Green DC = Leatherback EI = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones anly |
| MEASUREMENTS: CIRCLE UNITS Straight Length cm/in Straight Width cm/in Curved Length cm/in Nuchal Natch Curved Width cm/in | SPECIES: -CC = Loggerhead CMT = Green DC = Leatherback E! = Hawksbill LX = Xemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones anly - FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach |
| MEASUREMENTS: CIRCLE UNITS Straight Length cm/in Straight Width cm/in Curved Length cm/in Nuchal Natch Curved Width cm/in | CODES: SPECIES: —CC = Loggerhead CMT = Green DC = Leatherback EI = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones anly — FINAL DISPOSITION OF TURTLE: |

| Observer's Full Name Christopher Wicker | 1605° 16 25 |
|--|---|
| | Stranding Date Par Manim day |
| ddress / Affiliation Back Bay National Wildli | fe Refuge, 4005 Sandpiper Rd, VA. Beach, VA. 23456 |
| rea Code / Phone Number (757) 721-2412 | |
| species Lapparhand | Turtle Number By Day |
| Reliability of I.D.: (CIRCLE) Unsure Probable | Positive Species Verified by State Coordinator? Yes \(\text{Ves} \) |
| ex: (CIRCLE) Female Male Undetermined | How was sex determined? |
| rate VA County | VA TROTCH |
| ocation (be specific and include closest town) | is borsted & wife north of Folke Cope State |
| Park An Tork Bay Mr. A. Fidal show | ٠, |
| atitude | Longitude |
| Condition of Turtle (use codes) | Final Disposition of Turtle (use codes) |
| ag Number(s) (include tag return address and disposi | |
| - and disposi | |
| apillomas, epizoa, etc.) continue on back if necessary | The sharp is august by propelling. |
| MEASUREMENTS: CIRCLE UNITS | SPECIES: |
| Straight Length cm/in | CC = Loggerhead |
| Straight Width cm/in | DC = Leatherback EI = Hawksbill |
| Curved Length 462. Cm/in. | Nuchal UN = Unidentified |
| Curved Width 62.7 cm/in | CONDITION OF TURTLE: |
| Mark wounds, abnormalities, and tag locations Posterior | - 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune 5 = Unpainted, left on beach |

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal north to the ho of the most pasteriar marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please it a specific location description. INCLUDE LATITUDE AND LONGITUDE.

| Coserver's Full Name Mistopher Wicker | Stranding Date 1995 - June - Z |
|--|--|
| Address / Affiliation Back Bay National Wildlife Ref | · · · · · · · · · · · · · · · · · · · |
| Area Code / Phone Number(757) 721-2412 | |
| Species fr Lagerhead | Turtle Number By Day |
| Reliability of LD.: (CIRCLE) Unsure Probable Positive | |
| Sex: (CIRCLE) Female Male (Underermined) | How was sex determined? |
| State County V | |
| Location (be specific and include closest town) IN OCPAN | 1 |
| critudeLongitu | rcie |
| Condition of Turtle (use codes) Final D | risposition of Turtle (use codes) |
| ag Number(s) (include tag return address and disposition of t | <i>i</i> — |
| | |
| emarks (note if turtie was involved with tar or ail, gear or debris apillomas, epizoa, etc.) continue on back if necessary ANTER, MAND SHOPES OF CANADOR - PORP ARE IN PROPOSED AND THE RIGHT SITTE, JUST UNDER THE ALPROPOSED AND THE PROPOSED AND | |
| MEASUREMENTS: CIRCLE UNITS | CODES: |
| Straight Length cm/in | SPECIES: CC = Loggerhead |
| Straight Wigh | CMT = Green |
| Curved Length cm/in | El = Hawksbill LK = Kemp's ndley |
| | Notch UN = Unidentified |
| Curved Width 115 cm/ in | CONDITION OF TURTLE: |
| | 1 = Fresh dead 2 = Moderately decomposed |
| Mark (# | 3 = Soverely decomposed 4 = Dried carcass |
| Mark wounds, abnormalities, | 5 = Skeleton, bones only - |
| d reg locations | FINAL DISPOSITION OF TURTLE: |
| | 1 = Painted, left on beach 2 = Buried: on beach / off beach |
| | 3 = Salvaged speciment all / part 4 = Pulled up on beach or dune |

5 = Unpainted left on heach

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED, See diagram below, Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

| Observer's Full Name hartopler licker / 71 | wence (MMSON Stranding Date 1204 - May - 27 |
|---|--|
| Address / Affiliation Back Buy Notional W | it if frefing uns Similares for the sound in |
| Area Code / Phone Number (757) 721-2412 | The state of the s |
| - i juna alman | Turtle Number By Day |
| Reliability of I.D.: (CIRCLE) Unsure Probable | Positive Species Verified by State Coordinator? Yes 🗆 No 🗆 |
| Sex: (CIRCLE) Female Male Undetermined | How was sex determined? |
| County _ | than is mi. such it Little Island lity Fack |
| Latitude | ongitude |
| 1 | Final Disposition of Turtle (use codes) _) and pulled to dure |
| Tag Number(s) (include tag return address and disposition | on of rag) No tog |
| with the second of the second | debris entanglement, wounds or mutilations, propellor damage, anterior) That right caropace, Small purcture in |
| MEASUREMENTS: CIRCLE UNITS | CODES: |
| Straight Length cm/in | SPECIES: CC = Loggerhead CM = Green |
| Straight Width cm/in | DC = Leatherback · EL = Hawksbill |
| Curved Length cm/in | Nuchal LK = Kemp's ridley Notch UN = Unidentified |
| Curved Width cm/in | CONDITION OF TURTLE: |
| Mark wounds, abnormalities, and tag locations | 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only FINAL DISPOSITION OF TURTLE: |
| \ | 1 = Painted, left on beach 2 = Buried: on beach / off beach |

3 = Salvaged specimen: all / part4 = Pulled up on beach or dune

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal north to the tip of the most pasterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

| Observer's Full Name Florence James | Stranding Date 98 - 05 -/8 |
|--|--|
| Address / Affiliation Back Bay National Wildlife Refuge, 4005 | Sandpiper Rd., VA. Beach, VA. 23456 |
| Area Code / Phone Number(757) 721-2412 | |
| Species <u>CC Loage head</u> Turtle Number | er By Day |
| Religionist of LO . (CIRCLE) | s Verified by State Coordinator? Yes□ No□ |
| Sex: (CIRCLE) Female Male Undetermined How was sex | |
| State Verginia County Verginia | Beach |
| Location (be specific and include closest town) 3 miles Sp | with of Back Bay |
| National Wildlife Lefug beach access | ramp. |
| LatitudeLongitude | |
| Condition of Turtle (use codes) Final Disposition of 1 | Turtle (use codes) |
| ag Number(s) (include tag return address and disposition of tag) No 7 | |
| | 0 - 4 |
| Remarks (note if turtle was involved with tar or oil, gear or debris entanglement apillomas, epizoa, etc.) continue on back if necessary | it, wounds or mutilations, propellor damage, |
| No marks or any noticeable engine | |
| Cause of deaths. | bus to white |
| 0 | |
| MEASUREMENTS: CIRCLE UNITS | CODES: 7 |
| Straight Length cm/in | SPECIES: —CC = Loggerhead |
| Straight Width cm/in | CM = Green DC = Leatherback |
| | El = Hawksbill |
| Curved Length. 80 cm/in Nuchal Notch | LK = Kemp's ridley UN = Unidentified |
| Curved Width | CONDITION OF TURTLE: |
| | 0 = Alive |
| | 1 = Fresh dead 2 = Moderately decomposed |
| | 3 = Severely decomposed 4 = Dried carcass |
| Mark wounds, abnormalities, | 5 = Skeleton, bones only - |
| and tag locations | SINIAL DISPOSITION OF THEFT |
| | FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach |
| | 2 = Buried: on beach / off beach |
| | 3 = Salvaged specimen: all / part 4 = Pulled up an heach or dune |

5 = Unpainted, left on beach

Posterior

BKB:

CC: John Gallegos, Richard Muller, Don Schawb, ES,

FILE DESIGNATION: Sea Turtle Report to the Army Corps of Engineers

DISK NAME: C:\Myfiles

FILE NAME: AcoeRpt1998

EMAIL: NO

FAX: NO

OVERNIGHT MAIL: YES